

DOCUMENT RESUME

VT 009 360

ED 032 432

Four Years of Research, Development, and Training: A Bibliography. DCVER Projects Completed Between July 1, 1964 and June 30, 1968.

Office of Education (OHEW), Washington, D.C. Div. of Comprehensive and Vocational Education Research.

Pub Date 68

Note-100p.

EDRS Price MF-\$0.50 HC-\$5.10

Descriptors-\*Bibliographies, Curriculum Development, Demonstration Projects, \*Developmental Programs, Disadvantaged Groups, \*Educational Research, Evaluation, Financial Support, Health Occupations Education, Occupational Clusters, Post Secondary Education, \*Research Projects, \*Vocational Education

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Four Years of Research,  
Development, and Training: A Bibliography

DCVER Projects Completed  
Between July 1, 1964  
and June 30, 1968

Department of Health, Education and Welfare  
Office of Education  
Bureau of Research  
Division of Comprehensive and Vocational Education Research (DCVER)  
Washington, D.C. 20202

UT009360

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The Development of a Master Teacher Training Curriculum for Teachers of Occupational Level Training Programs	John L. O'Brian Rutgers, The State University New Brunswick, N. Jersey	5-0171 ED 010 161 MF: 75¢ HC: \$6.44
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Development and Evaluation of Educational Programs in Bio-Medical Equipment Technology, Phase I	Technical Education Research Center, Inc. 142 Mt. Auburn Street Cambridge, Massachusetts	5-0175 ED 016 845 MF: 75¢ HC: \$6.48
Groundsman - Gardner for Special Class Students (Educable Mentally Retarded Youth)	G. Roy Nicholaysen Oakland Unified School District Oakland, California	5-0178 ED 010 280 MF: 25¢ HC: \$1.32
Summer Institute of Industrial Instrumentation Technology	Austin E. Fribance Rochester Institute of Technology Rochester, New York	5-0179 ED 003 495 MF: 25¢ HC: 48¢
Workshop for Administrators of Vocational Home Economics Training Program in Wage-Earning Occupations	Ann Bunton Texas Technical College Lubbock, Texas	5-0180 ED 003 098 MF: 25¢ HC: \$1.56
An Investigation and Development of the Cluster Concept as a Program in Vocational Education at the Secondary School Level (Four-Part Report)	Donald Maley University of Maryland College Park, Maryland	5-0183 ED 010 301 MF: 75¢ HC: \$5.40
New Directions in Vocational Guidance	Phyllis C. Wilson City University of New York New York, New York	5-0184 ED 003 099 MF: 50¢ HC: \$4.68
Vocational Education and Inter-governmental Fiscal Relations in the Postwar Period	Bruce F. Davie Philip D. Paterson, Jr. Georgetown University Washington, D. C.	5-0185 ED 010 642 MF: 50¢ HC: \$5.00

**Scientific Secretary Training Program Development**

**The Application of the Judgmental Procedure to Vocational and Practical Arts Education**

**The Validation of Education Systems Packages for Training of Depressed Area Students**

**National Seminars for Research in Vocational Education - 1965**

**Supply and Demand Factors Affecting Vocational Education Planning**

**Center for Research and Leadership Development in Vocational and Technical Education**

**A Sequential Curriculum in Language, Reading, and Composition (Oral and Written) Grades Seven through Twelve**

**... of Dropout Statistics of the Dropout Research and Action**

**Program to Extend Curriculum Materials in English for the Able to a Wider Student Group**

**The Conservation of Energy Concept in Ninth Grade General Science**

John Swenson  
University of Colorado  
Boulder, Colorado

Rutherford E. Lockette  
Trenton State College  
Trenton, New Jersey

Don Bushnell  
The Brooks Foundation  
Santa, Barbara, Calif.

William J. Schill  
University of Illinois  
Urbana, Illinois

Edward A. Podesta  
Stanford Research  
Institute  
Menlo Park, California

Robert E. Taylor  
Center for Research and Leadership Development in Vocational & Technical Education  
Ohio State University  
Columbus, Ohio

Albert R. Kitzhaber  
University of Oregon  
Eugene, Oregon

Earl R. Burrows  
Colorado State Department of Education  
Denver, Colorado

Robert C. Slack  
Carnegie-Mellon Univ.  
Pittsburgh, Pa.

William Shockley  
Paul D. Hurd  
Stanford University  
Stanford, California

5-0188  
ED 020 439  
MF: \$1.25  
HC: \$12.36

5-0190

5-0192  
ED 010 014  
MF: 25¢  
HC: \$1.64

5-0199  
ED 003 489  
MF: 50¢  
HC: \$2.84

5-0208  
ED 010 305  
MF: 75¢  
HC: \$6.12

5-0212  
ED 014 549  
MF: 75¢  
HC: \$6.96

5-0366  
ED 015 895  
MF: 75¢ HC: \$5.64

5-0430  
ED 003 102  
MF: 75¢  
HC: \$5.32

5-0516  
ED 016 664  
MF: 25¢  
HC: 72¢

5-0557

Project PREP - A Program for Recovering and Extending Academic Potential for High School Underachievers Seeking Entrance at a Regional Community College	John J. Shea Greenfield Community College Greenfield, Mass.	5-0569 ED 010 120 MF: 25¢ HC: \$2.04
High School Self-Evaluations and Curriculum Change	Vynce A. Hines William M. Alexander University of Florida Gainesville, Florida	5-0576 ED 017 971 MF: 50¢ HC: \$5.12
A Follow-Up Normative Study of Negro Intelligence and Achievement	Wallace A. Kennedy Florida State University Tallahassee, Florida	5-0621 ED 003 492 MF: 75¢ HC: \$7.48
Development of Economics Curricular Materials for Secondary Schools	Meno Lovenstein Edward J. Furst Robert E. Jewett Elizabeth S. Maccia Ohio State University Columbus, Ohio	5-0672 ED 014 430 MF: \$3.50 HC: \$36.68
An Assessment of Three Foreign Language Teaching Strategies Utilizing Three Language Laboratory Systems	Philip D. Smith. Jr. West Chester State College West Chester, Pa.	5-0683 ED 021 512 MF: \$1.00 HC: \$9.24
Effects of Age, Social Status, Sex, and Race Upon the Understanding of Word Meanings Independent of Sentence Context	Walter H. Crockett Clark University Worcester, Mass.	5-0697 ED 010 381 MF: 25¢ HC: \$1.48
A Project for the Planning of One-week Workshops in Evaluation Research for State and City Department of Education Personnel	Charles N. Seashore National Training Labs Washington, D. C.	5-0699 ED 010 230 MF: 25¢ HC: \$1.12
High School Dropouts: Fate- Future-Identification	Ralph O. Gallington Southern Illinois Univ. Carbondale, Illinois	5-0700 ED 010 018 MF: 25¢ HC: \$2.12
Unified Academic and Professional Experiences in Language and Writing for the Preparation of Secondary School Teachers of English	Daniel Rider Michigan State Univ. East Lansing, Michigan	5-0804 ED 016 674 MF: 75¢ HC: \$6.68
Production of a Motion Picture for the In-Service Training of Teachers in Problems of Human Relations in Teaching Socio-Economically Disadvantaged	Henry S. Breitrose Janet V. Voelker Stanford University Stanford, California	5-0866 ED 013 277 MF: 25¢ HC: 96¢

<b>Short Course for Counselors on Vocational and Technical Training and Opportunities</b>	<b>Fred D. Holt</b> University of Georgia Athens, Georgia	<b>5-0875</b> ED 003 108 MF: 50¢ HC: \$3.88
<b>The Center for Research, Development, and Training in Occupational Education</b>	<b>Selz C. Mayo</b> John K. Coster North Carolina State University at Raleigh Raleigh, North Carolina	<b>5-1005</b> ED 012 344 MF: 25¢ HC: \$1.64
<b>A Pilot Study of Personality Factors Related to Occupational Aspirations of Negro College Students</b>	<b>Lawrence W. Littig</b> Howard University Washington, D. C.	<b>5-1021</b> ED 003 521 MF: 25¢ HC: \$1.88
<b>Effects of Modern and Conventional Mathematics Curricula on Pupil Attitudes, Interests and Perception of Proficiency</b>	<b>James J. Ryan</b> Minnesota State Department of Education Saint Paul, Minnesota	<b>5-1028</b>
<b>A Comparison of Techniques for the Solution of Similar Educational-Vocational Problems of Disadvantaged Youth in Great Britain and the U. S.</b>	<b>Dr. Robert L. Gibson</b> Dr. Nicholas A. Fattu Indiana University Bloomington, Indiana	<b>5-1163</b> ED 016 791 MF: 75¢ HC: \$6.12
<b>Conference on the Citizenship Education of the Young Worker</b>	<b>Alan F. Westin</b> Center for Research and Education in American Liberties Columbia University New York	<b>5-1164</b>
<b>Design for the Future: Spaces in Area Vocational Schools</b>	<b>James G. MacCannell</b> Stanford University Stanford, California	<b>5-1165</b> ED 010 264 MF: 25¢ HC: \$1.08
<b>A Curriculum Demonstration for Drop-out-Prone Students</b>	<b>Charles V. Matthews</b> Southern Illinois Univ. Edwardsville, Illinois	<b>5-1166</b>
<b>An Investigation of the Training and Skill Requirements of Industrial Machinery Maintenance Workers (Vol. I &amp; II)</b>	<b>Frank Lynn</b> Midwest Institute for Research and Training Chicago, Illinois	<b>5-1201</b> ED 016 832 MF: 50¢ HC: \$4.56

Conference to Establish Guidelines for Research in Office Education	J. E. Gratz Shippensburg State College Shippensburg, Pa.	5-1202 ED 010 394 MF: 50¢ HC: \$3.36
Vocational Aspects of Counselor Education	Carl McDaniels George Washington University Washington, D. C.	5-1208 ED 010 016 MF: 50¢ HC: \$4.04
Computer Assisted Instruction: In-Service Training for Vocational Teachers	Fr. G. C. McGregor Providence College Providence, Rhode Island	5-1214 ED 012 384 MF: 25¢ HC: \$1.68
A Study in Communication between High School Teachers of Vocational Agriculture and Socio-Economically Disadvantaged Youth by the Use of the Semantic Differential	Lloyd J. Phipps University of Illinois Urbana, Illinois	5-1215 ED 010 181 MF: 75¢ HC: \$5.92
Conference on Implementing Career Development Theory and Research through the Curriculum	David Tiedeman National Vocational Guidance Association Washington, D. C.	5-1304 ED 010 182 MF: \$1.00 HC: \$8.20
A Training Program for Selected Home Economists to Train Adults and Older Youth for Homemaker Service Responsibilities	Charlene L. Detro Louisiana State Univ. Baton Rouge, Louisiana	5-1315 ED 015 259 MF: \$1.00 HC: \$10.76
Status of Curriculum Development in the Field of Commercial Food at the Non-Baccalaureate Level	Mildred B. Barnard Hilda Watson Gifford Council on Hotel, Restaurant and Institutional Education Ithaca, New York	5-1316 ED 016 073 MF: 75¢ HC: \$6.68
Development of a Film on Homemaker Services for Interpretation to the Public and Training Professional and Nonprofessional Personnel	Alberta Jacoby Mental Health Film Board, Inc. New York, New York	5-1318 ED 016 074 MF: 25¢ HC: 40¢
A Study of a New and Dramatic Approach to Vocational Guidance through the Use of Exhibits and Displays	George A. Walsh National Educational Industrial Foundation Philadelphia, Pa.	5-1323 ED 003 107 MF: 25¢ HC: \$1.24

**Community College Health Careers Project: Phase II - Teacher Preparation**

**Operation Giantstep: Research in a New Remedial Program and Community College Industrial Technology Curriculum for the Disadvantaged**

**Evaluating the Efficiency and Effectiveness of Self-Instructional Methods for Selected Areas of Vocational Education**

**A Study of Educational Activities Within Business and Industry in Richmond, California**

**Development of a Programmed Text in Salesmanship for Feasibility Testing in Adult Education**

**An Analysis of Research on Selected Aspects of Evaluation in Adult Education**

**Changes in Gregg Shorthand Simplified as Written During Employment: An Analytical Study of Variations in Phonetic System of Communication**

**Teaching Vocational and Citizenship Education in Social Studies**

**Factors Which Influence Participation in Adult Education Conferences and Programs by Members of Professional Associations**

**Muriel Ratner** 5-1328  
**University of the State** ED 019 505  
**of New York** MF: 25¢  
**State Education Dept.** HC: 88¢  
**Albany, New York**

**Manuel Stillerman** 5-1336  
**Milton Lowens** ED 012 830  
**Bronx Community College** MF: 50¢  
**of the City University** HC: \$4.64  
**Bronx, New York**

**John L. Coffey** 5-1363  
**Ronald J. Cress** ED 019 511  
**Battelle Memorial** MF: \$1.00  
**Institute** HC: \$8.80  
**Columbus, Ohio**

**John A. McClure** 5-1364  
**University of California** ED 015 353  
**Berkeley, California** MF: 50¢ HC: \$4.04

**Raymond P. Russell** 5-8267  
**Kansas State Teachers** ED 003 851  
**College** MF: 25¢  
**Emporia, Kansas** HC: \$1.00

**Elizabeth W. Hutton** 5-8268  
**Florida State University** ED 003 520  
**Tallahassee, Florida** MF: \$1.50  
HC: \$13.56

**Ruth H. Gaffga** 5-8270  
**New York University** ED 011 076  
**New York, New York** MF: 50¢  
HC: \$3.20

**Kay M. Howell** 5-8271  
**Wilbur B. Brookover** ED 022 022  
**Michigan State Univ.** MF: 75¢  
**East Lansing, Michigan** HC: \$5.44

**Alan Booth** 5-8273  
**University of Nebraska** ED 010 411  
**Lincoln, Nebraska** MF: 50¢  
HC: \$3.52

<b>Study of Industrial Arts Education in Public Secondary Schools of the Southern Appalachian Region</b>	<b>Charles J. Collins</b>	<b>5-8275</b>
	<b>West Virginia University</b>	<b>ED 017 723</b>
	<b>Morgantown, West Virginia</b>	<b>MF: 75¢</b>
		<b>HC: \$6.88</b>
<b>Development and Evaluation of - One-Semester Stenography Course</b>	<b>Patsy Blake McMurtrie</b>	<b>5-8277</b>
	<b>San Francisco State</b>	<b>ED 019 256</b>
	<b>College</b>	<b>MF: 50¢</b>
	<b>San Francisco, Calif.</b>	<b>HC: \$4.40</b>
<b>A Study of the Aspirations of Married Women College Graduates</b>	<b>Rhee Lyon</b>	<b>5-8357</b>
	<b>Frank W. Miller</b>	<b>ED 012 345</b>
	<b>Northwestern University</b>	<b>MF: 50¢</b>
	<b>Evanston, Illinois</b>	<b>HC: \$3.08</b>
<b>A Study of Recommendations for Technical Education Curricula</b>	<b>Joseph P. Arnold</b>	<b>5-8371</b>
	<b>Purdue University</b>	<b>ED 016 064</b>
	<b>Lafayette, Indiana</b>	<b>MF: 75¢ HC: \$5.60</b>
<b>Development of a Guide on Record Keeping and Analysis in the Vocational Agriculture Record Book for Production Agriculture</b>	<b>A. O. Duncan</b>	<b>5-8397</b>
	<b>University of Georgia</b>	<b>ED 011 084</b>
	<b>Athens, Georgia</b>	<b>MF: 50¢</b>
		<b>HC: \$3.36</b>
<b>The Identification of Common Courses in Paramedical Education</b>	<b>Bill J. Fullerton</b>	<b>5-8398</b>
	<b>Arizona State Univ.</b>	<b>ED 010 190</b>
	<b>Tempe, Arizona</b>	<b>MF: 75¢</b>
		<b>HC: \$6.88</b>
<b>Development of Marketable Typing Skill: Sensory Processes Underlying Acquisition</b>	<b>Leonard J. West</b>	<b>5-8434</b>
	<b>City University of New York</b>	<b>ED 010 012</b>
	<b>New York, New York</b>	<b>MF: 25¢</b>
		<b>HC: \$1.08</b>
<b>The Relative Effectiveness of the Traditional and Two Modified Methods of Organizing Information Sheets</b>	<b>David J. Pucel</b>	<b>5-8458</b>
	<b>University of Minnesota</b>	<b>ED 010 635</b>
	<b>Minneapolis, Minnesota</b>	<b>MF: 75¢</b>
		<b>HC: \$5.60</b>
<b>A Philosophical and Historical Rationale for a New Approach to "Problems of Democracy"</b>	<b>Glenn W. Hawkes</b>	<b>5-8459</b>
	<b>Harvard Graduate School of Education</b>	<b>ED 019 293</b>
	<b>Cambridge, Massachusetts</b>	<b>MF: 75¢</b>
		<b>HC: \$6.36</b>
<b>The Use of Follow-up Studies in the Evaluation of Vocational Education</b>	<b>Laura M. Sharp</b>	<b>5-8461</b>
	<b>Bureau of Social Science Research, Inc.</b>	<b>ED 010 072</b>
	<b>Washington, D. C.</b>	<b>MF: 25¢</b>
		<b>HC: \$1.68</b>

Development of a Junior High School Instrument for Appraising Social Readiness for Employment

The Advanced Degree and Vocational-Technical Education Leadership (A Symposium)

An Exploratory Study of Knowledges on Child Development and Guidance Needed by Mothers and Workers in Occupations Related to Child Care

Identification and Development of Instruments for a Study of the Expectations and Perceptions of the State Vocational-Technical Education Agencies and Their Influence upon Local Programs

Utility of Educational Television in Meeting the Informational Needs of the Disadvantaged

Summer Program for Updating the Technical Competency of Teachers of Industrial Subjects

Western States Regional Conference on Occupational Research Coordinating Council

Workshop for Supervising Teachers in Agricultural Occupations from Eleven Western States

The Development of Pre-Vocational Education Literacy Courses for Use with Computer-Assisted Instruction of Disadvantaged Youths and Adults

Vivian Edmiston Todd  
Zelpha Bates  
California State College  
at Long Beach  
Long Beach, California

Carl Schaefer  
Rutgers, The State  
University  
New Brunswick, N. Jersey

Ruth E. Whitmarsh  
University of Illinois  
Urbana, Illinois

Alien Lee  
University of California  
Berkeley, California

Harold Mendelsohn  
University of Denver  
Denver, Colorado

Ralph C. Bohn  
San Jose State College  
San Jose, California

Bill Wesley Brown  
Arizona State College  
Flagstaff, Arizona

Earl E. Julson  
Colorado State Univ.  
Fort Collins, Colorado

Edward K. Hankin  
Edwin H. Smith  
Timothy A. Smith  
Florida State University  
Tallahassee, Florida

5-8462  
ED 013 467  
MF: 50¢  
EC: \$3.44

5-8464  
ED 010 015  
MF: 25¢  
HC: \$2.40

5-8465  
ED 010 071  
MF: 75¢  
HC: \$5.48

5-8466  
ED 013 362  
MF: 50¢  
HC: \$3.00

6-1231

6-1423  
ED 012 348  
MF: \$1.50  
HC: \$14.44

6-1428  
ED 003 104  
MF: 50¢  
HC: \$2.76

6-1455  
ED 010 429  
MF: 50¢  
HC: \$3.52

6-1458

A Curriculum Development Study of the Effectiveness of Upgrading the Technical Skills of Educationally Disadvantaged Union Members	Frank Evans Negro American Labor Council Region IV Cleveland, Ohio	6-1484 ED 010 439 MF: 50¢ HC: \$3.28
Guidelines for the Preparation of Office Occupations Teachers	Fred S. Cook Wayne State University Detroit, Michigan	6-1522 ED 010 195 MF: 50¢ HC: \$3.88
University of Illinois Summer Institute for Teachers of Ornamental Horticulture in the Midwestern Section of the U.S.	Paul E. Hemp University of Illinois Urbana, Illinois	6-1538 ED 016 867 MF: \$1.25 HC: \$13.24
Determine the Feasibility of Developing a Model Describing the Flow of Occupational and Economic Information into the Secondary Vocational-Technical School	Leonard C. Silvern Education and Training Consultants Co. Los Angeles, California	6-1544 ED 015 273 MF: 50¢ HC: \$4.40
A Training Program for Vocational Counselors	Donald L. Frick Colorado State Univ. Fort Collins, Colorado	6-1592 ED 014 083 MF: 25¢ HC: \$1.84
Pilot Training Project Based on Directed Occupational Experience for Teachers of Marketing and Distribution	Warren G. Meyer University of Minnesota College of Education Minneapolis, Minnesota	6-1594 ED 016 805 MF: 75¢ HC: \$6.04
Regional Center for Collection, Synthesis and Dissemination of Career Information for Use by Schools of San Diego County	Edwin A. Whitfield Richard Hoover Department of Education San Diego, California	6-1620 ED 015 513 MF: 75¢ HC: \$6.60
Effectiveness of Film in Changing Parental Attitudes	Marvin L. Hanson University of Utah Salt Lake City, Utah	6-1638 ED 020 659 MF: 25¢ HC: 68¢
Technical Personnel in Mental Health	Edward Linzer The National Association for Mental Health New York, New York	6-1685 ED 013 361 MF: 50¢ HC: \$2.04
An Instructional Program for Teachers of Occupational Training Programs Utilizing Home Economics Knowledge and Skill	Anna M. Gorman University of Kentucky Lexington, Kentucky	6-1699 ED 016 071 MF: 50¢ HC: \$4.20
Summer Writing Conference to Continue Development of Materials in Expression of Ideas (English) and Quantitative Thinking (Mathematics) to be Used in Pre-College Centers for Students from Low-Income Families	Educational Services Inc. Curriculum Resources Group 55 Chapel Street	6-1700 ED 015 177 MF: 75¢ HC: \$5.88

An Evaluation of Vocational Education for Disadvantaged Youth

John J. Austin  
Donald A. Sommerfield  
The Public Schools of  
City of Muskegon  
Muskegon, Michigan

6-1831  
ED 016 097  
MF: \$1.00  
HC: \$8.56

A Study of the Teaching of English in Selected British Secondary Schools

James R. Squire  
University of Illinois  
Urbana, Illinois

6-1849  
ED 017 517  
MF: \$2.00  
HC: \$19.24

National Leadership Development Institutes in Technical Education

Calvin J. Cotrell  
Ivan E. Valentine  
Ohio State University  
Columbus, Ohio

6-1888  
ED 011 932  
MF: 75¢  
HC: \$6.32

Interdisciplinary Approach to Preparing Home Economics Leaders for Emerging Programs Serving Disadvantaged Youth and Adults

Pauline Gillette Garrett  
University of Missouri  
Columbia, Missouri

6-1936  
ED 016 096  
MF: 50¢ HC: \$4.28

Pittsburgh Technical Health Training Institute Demonstration Project

Louis J. Kishkunas  
Pittsburgh Board of  
Public Education  
Pittsburgh, Pa.

6-2015  
ED 019 508  
MF: 50¢  
HC: \$2.68

Summer Institute to Train Data Processing Teachers for the New Oklahoma Statewide Computer Science System

Francis Tuttle  
Oklahoma State Board for  
Vocational Education  
Stillwater, Oklahoma

6-2040  
ED 010 666  
MF: \$1.00  
HC: \$8.40

Sounds of Society: A Demonstration Program in Group Inquiry

B. J. Chandler  
Frederick D. Erickson  
Northwestern University  
Evanston, Illinois

6-2044  
ED 018 522  
MF: 50¢  
HC: \$4.40

Effects of Interval Pacing on the Recognition of Typewriting Skill

Leonard J. West  
The City University of  
New York  
New York, New York

6-2116  
ED 019 510  
MF: 25¢  
HC: \$1.76

Mental Health and Psychiatric Nursing in Practical Nurse Education

Annie Laurie Crawford  
Southern Regional  
Education Board  
Atlanta, Georgia

6-2129  
ED 015 391  
MF: 25¢  
HC: \$2.16

Eight-Week Summer Institute Training Program to Train Instructors of Instrumentation Technology

Frank J. Zioli  
Pasadena City College  
Pasadena, California

6-2142  
ED 010 433  
MF: 25¢  
HC: \$1.44

<b>Guidance Project to Investigate Characteristics, Background, and Job Experiences of Successful and Unsuccessful Entry Workers in Three Selected Industries</b>	Robert E. Gorman University of Montana Missoula, Montana	6-2147 ED 011 976 MF: 25¢ HC: \$2.28
<b>Work Instruction Programs for the Food Service Industry</b>	Stephan Konz Raymona Middleton Kansas State University Manhattan, Kansas	6-2159 ED 011 961 MF: 25¢ HC: \$2.12
<b>Child Development Training Program for Vocational Home Economics Teachers</b>	Helen Sulek University of Nebraska Lincoln, Nebraska	6-2186 ED 016 066 MF: 50¢ HC: \$4.84
<b>Vocational-Technical Education Leadership Development Seminar</b>	Clodus R. Smith University of Maryland College Park, Maryland	6-2188 ED 010 629 MF: 75¢ HC: \$5.76
<b>A Functional Analysis of Paramedical Occupations as a Foundation for Curriculum Development</b>	John P. Decker Arizona Health Services Education Association Phoenix, Arizona	6-2193 ED 012 790 MF: \$1.00 HC: \$9.80
<b>1966 Summer Institutes on Fluid Power Education for Vocational and Technical Teachers</b>	Theodore Pearce Fluid Power Society Thiensville, Wisconsin	6-2203 ED 016 113 MF: 25¢ HC: 88¢
<b>Seminar to Identify the Structure of Knowledge in Home Economics Education at the Graduate Level</b>	Hazel Anthony Shirley Kreutz University of Nebraska Lincoln, Nebraska	6-2205
<b>Vocational-Educational Information Workshop for Rural Guidance Workers, August 1966</b>	K. Norman Severinsen Western Illinois Univ. Macomb, Illinois	6-2208 ED 015 042 MF: 50¢ HC: \$4.16
<b>Guidance Counselor Institute for Health Careers</b>	Philip P. Morgan United Hospital Funds of New York New York, New York	6-2209 ED 012 342 MF: \$1.00 HC: \$9.00
<b>An Eight-Week Summer Institute Training Program to Train Instructors of Instrumentation Technology</b>	Delbert A. McKee State University of New York Morrisville, New York	6-2211 ED 011 973 MF: 25¢ HC: 52¢

Training Institute for Vocational Guidance and Counseling Personnel

Frank E. Wellman  
University of Missouri  
Columbia, Missouri

6-2212  
ED 011 614  
MF: 50¢  
HC: \$4.28

Conference for Vocational Teacher Educators on New Media of Instruction

W. Vincent Payne  
Tuskegee Institute  
Tuskegee, Alabama

6-2224  
ED 010 435  
MF: 50¢  
HC: \$2.76

National Leadership Development Seminar for Vocational-Technical Education Personnel

H. H. London  
University of Missouri  
Columbia, Missouri

6-2236  
ED 010 597  
MF: 25¢  
HC: \$2.08

The Fluid Power Institutes: Tested Procedures for Introducing Emerging Technologies; 1966

Gerald Baysinger  
Fluid Power Society  
Thiensville, Wisconsin

6-2278  
ED 016 130  
MF: \$1.25 HC: \$11.60

The Preparation of Curriculum Materials and the Development of Teachers for an Experimental Application of the Cluster Concept of Vocational Education at the Secondary Level

Donald Maley  
University of Maryland  
College Park, Maryland

6-2312  
ED 016 841  
MF: \$1.25  
HC: \$12.32

An Eight-Week Seminar in an Introduction to Numerical Control on Two- and Three-Axis Machine Tools for Vocational and Technical Machine Tool Instructors

Milton Boldt  
Harry Pokorny  
Milwaukee Vocational, Technical and Adult Schools  
Milwaukee, Wisconsin

6-2332  
ED 017 726  
MF: 25¢  
HC: \$1.80

Investigation to Produce Guidelines for Health Technology Program Planning

Carol Kahler  
National Health Council  
New York, New York

6-2355  
ED 021 556  
MF: 50¢  
HC: \$4.16

The Possibility of Systematic Study of Health Requirements and Education and Training Programs of Selected Health Occupations

Forbes W. Polliard  
Indianapolis Hospital Development Association, Incorporated  
Indianapolis, Indiana

6-2444  
ED 016 079  
MF: 50¢  
HC: \$4.00

A Study to Develop Instructional Materials for a Ninth and Tenth Grade World History Curriculum Integrating History and the Social Sciences

Edgar Bernstein  
University of Chicago  
Chicago, Illinois

6-2445  
ED 013 991  
MF: 25¢  
HC: \$1.80

6-2212  
ED 011 614  
MF: 50¢  
HC: \$4.28

6-2224  
ED 010 435  
MF: 50¢  
HC: \$2.76

6-2236  
ED 010 597  
MF: 25¢  
HC: \$2.08

6-2278  
ED 016 130  
MF: \$1.25 HC: \$11.60

6-2312  
ED 016 841  
MF: \$1.25  
HC: \$12.32

6-2332  
ED 017 726  
MF: 25¢  
HC: \$1.80

6-2355  
ED 021 556  
MF: 50¢  
HC: \$4.16

6-2444  
ED 016 079  
MF: 50¢  
HC: \$4.00

6-2445  
ED 013 991  
MF: 25¢  
HC: \$1.80

Differentially Structured Introductory Learning Materials and Learning Tasks	Arden Groteluechen Teachers College Columbia University New York, New York	6-2447 ED 016 148 MF: \$1.00 HC: \$10.24
The Life Cycle of an Adult Education Enterprise--The Swarthmore Chautauqua	George J. Dillavou Department of Education University of Chicago Chicago, Illinois	6-2608
Pilot Summer Vocational Teacher Training Institute in Dental Assisting	Raymond Baralt, Jr. University of Detroit Detroit, Michigan	6-2652 ED 011 052 MF: 25¢ HC: \$1.88
Pilot Vocational Teacher Training Institute for Dental Assisting - Summer 1966	Roger E. Barton University of North Carolina Chapel Hill, N. Carolina	6-2653 ED 010 334 MF: 50¢ HC: \$3.16
Training for Teachers of Technical Programs in Agriculture	Howard Sidney State University of New York Cobleskill, New York	6-2662 ED 010 335 MF: 50¢ HC: \$3.44
In-Service Training in Computer Assisted Instruction for Vocational Teachers	Fr. G. C. McGregor Providence College Providence, Rhode Island	6-2811 ED 017 170 MF: 25¢ HC: \$2.20
A Developmental Program for the Improvement of Trade-Technical Teacher Education in the Southern States	David Allen University of California Los Angeles, California	6-2861 ED 011 061 MF: 50¢ HC: \$2.96
A Nationwide Study of the Administration of Vocational-Technical Education at the State Level (Vol. I & II)	J. Chester Swanson University of California Berkeley, California	6-2921 ED 016 858 MF: \$1.25 HC: \$12.72
Occupational Training Centers for 16-18 Year-Old Youth	Harry Handler Los Angeles City Unified School Districts Los Angeles, California	6-2958 ED 010 620 MF: 50¢ HC: \$4.40
Structuring a Program of Research and Development for Kentucky Designed to Bring Together all Available Research Resources to Support a Continuing Program of Vocational Education	Carl F. Lamar University of Kentucky Lexington, Kentucky	6-3024 ED 016 144 MF: 50¢ HC: \$2.60

Vocational Education Occupational Research and Development Coordinating Unit	V. E. Burgener Board of Vocational Education and Rehabilitation Springfield, Illinois	6-3030 ED 011 981 MF: 50¢ HC: \$2.64
Prediction of Adult Educators' Attitudes Toward Institutional Changes	John Dale Apel University of Chicago Chicago, Illinois	6-8075 ED 012 881 MF: 25¢ HC: \$1.00
An Evaluation of a Counselor Education Program Designed for Prospective Elementary School Counselors Enrolled in 1965-1966 NDEA Institute	Merle M. Ohlsen University of Illinois Urbana, Illinois	6-8087
An Analysis and Interpretation of Data on the Social Characteristics of Residents of "Vine City," A Negro Slum Ghetto	Marcia L. Malvorsen Spelman College Atlanta, Georgia	6-8162 ED 015 225 MF: 50¢ HC: \$2.60
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**Edward A. Perkins, Jr.** 7-0031(a)  
**Washington State Univ.** ED 018 665  
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The Development and Testing of a Polysensory Instructional System for Teaching Knowledge and Skills Associated with the Use of Expandable Polystyrene Plastics (Partial Final Report)	Dale LeRoy Nish Washington State Univ. Pullman, Washington	7-0031(b) ED 019 512 MF: 50¢ HC: \$2.72
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The Student Professional from Concepts to Careers	Edith F. Lynton National Commission on Youth Employment 145 E. 32nd Street New York, New York	7-0095 ED 017 945
Development of Post High School Wage-Earning Programs in Home Economics Education Utilizing the Resources Guide: <u>Care and Guidance of Children</u>	Ruth J. Dales Anne G. Buis Florida State University Tallahassee, Florida	7-0382
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Pre-Service Education of Office Occupations Teachers	Dolores Kilchenstein Texas Technical College Lubbock, Texas	7-0450 ED 019 476 MF: 50¢ HC: \$3.32

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Materials and Structural Design Seminar for Vocational-Technical Schools	J. Clark Davis University of Nevada Reno, Nevada	7-0658 ED 016 112 MF: 50¢ HC: \$4.52
An Evaluation of a Summer Institute to Train Instructors of Instrumentation Technology	Karl B. Schnelle, Jr. Instrument Society of America Pittsburgh, Pa.	7-8021 ED 016 129 MF: 50¢ HC: \$2.40
The Relative Effectiveness of Supplementing Programmed Instruction with Blocked Versus Spaced Review	James Arnold Scanlon Frederick K. T. Tom Cornell University Ithaca, New York	7-8068 ED 013 538 MF: 25¢ HC: \$1.84
Differences in Some Initial Attitudes of Students Who Complete and Students Who Drop Out in the Wellesley, Massachusetts Adult Education Center	Rosemary C. Hurkamp Boston University School of Education Boston, Massachusetts	7-8073
Trial and Testing of an Experimental Guidance Curriculum	Vivian S. Sherman American Institutes for Research Palo Alto, California	7-8091 ED 020 554 MF: 75¢ HC: \$5.52
A Symposium on Educational Research (Concepts, Strategies, and Priorities for Research in Educational Manpower)	Don Davies National Education Association Washington, D. C.	7-8207 ED 013 778 MF: 50¢ HC: \$2.92
Exploration of Simulation as a Retirement Education Technique	Norman Sprague Employment and Retirement Program National Council on the Aging, Inc. New York, New York	7-8249

Facilitation and Interference in the  
Older Adult Learner

Thomas J. McCrystal  
Xavier University  
Cincinnati, Ohio

7-8314  
ED 019 605  
MF: 25¢  
HC: \$1.28

A Regional Institute to Aid Improvement  
of Instructional Practices, Materials  
and Student Experiences for Coordi-  
nators and Instructors of Vocational  
Orientation Programs

Margaret Blair  
Harold R. Seltzer  
State Department of  
Education  
Division of Vocational  
Education  
Trenton, New Jersey

7-8400  
ED 019 507  
MF: 25¢  
HC: \$2.36

Initial Feasibility Study for  
Exploration of Three U. S. Air Force  
Course Materials for Adaptation to  
Civilian School Systems

James H. Straubel  
Michael Nisos  
Aerospace Education  
Foundation  
1750 Pennsylvania Ave.  
Washington, D. C.

8-8018  
ED 020 348  
MF: 25¢  
HC: \$1.20

25.  
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
Office of Education  
Bureau of Research  
Division of Comprehensive and Vocational Education Research (DCVER)  
Washington, D.C. 20262

II DCVER PROJECTS RELATED TO THE "CLUSTER CONCEPT" IN VOCATIONAL EDUCATION

A. Studies by Professor Donald Maley at the University of Maryland:  
(These studies have dealt with three clusters of occupations: The electromechanical installation and repair cluster, the construction cluster, and the metal forming and fabrication cluster.)

<u>Project Number</u>	<u>ED Number</u>	<u>Microfiche Price</u>	<u>Hard Copy Price</u>
5-0183	010-301	\$ .75	\$ 5.40
5-0183	010-302	\$1.25	\$11.24
5-0183	010-303	\$1.25	\$11.36
5-0183	010-304	\$1.25	\$11.24
6-2312	016-841	\$1.25	\$12.32
6-2312	016-842	\$ .75	\$ 6.36
6-2312	016-843	\$ .75	\$ 7.20
6-2312	016-844	\$ .50	\$ 5.08
7-0853	022-965	\$1.75	\$17.60

B. Studies by Professor Gordon McCloskey at Washington State University:

<u>Project Number</u>	<u>Occupational Areas</u>	<u>ID Number</u>	<u>Microfiche Price</u>	<u>Hard Copy Price</u>
5-0046	Electronic Technology	010-655	\$ .50	\$2.84
5-0046	Office Occupations	019-656	\$ .50	\$2.92
5-0046	Retailing Occupations	010-657	\$ .50	\$4.68
5-0046	Building Trades	010-658	\$ .75	\$7.36
5-0046	Vocational Mathematics	010-659	\$ .25	\$ .60
5-0046	Food Service Occupations	010-660	\$ .25	\$ .80
5-0046	Child Care Occupations	010-661	\$ .25	\$ .88
7-0031	Child Care Occupations	021-066	\$ .25	\$1.76
7-0031	Farming Occupations	021-067	\$ .50	\$3.56
7-0031	Office Occupations	018-665	\$1.00	\$8.48
7-0031	Retailing Occupations	023-911	\$ .50	\$3.65
7-0031	Allied Health Occupations	022-958	\$ .50	\$4.36

C. Study by Professor William J. Schill and Joseph P. Arnold at the University of Illinois: (This study dealt with a cluster of occupations including electronic technology, chemical technology, mechanical technology, electro-mechanical technology, electro-chemical technology, and chemical-mechanical technology.)

<u>Project Number</u>	<u>ED Number</u>	<u>Microfiche Price</u>	<u>Hard Copy Price</u>
CRP-2048	001-172	\$ .75	\$7.25

D. Study by the American Institutes for Research and the Quincy, Massachusetts public school system:

Note: This study, Project No. 5-0009, is still in progress and no final reports are as yet available from the ERIC system. However, descriptions of the project activities are available from the U.S. Government Printing Office under Catalog No. FS 5.280:80050 (price 10 cents) and Catalog No. FS 5.280:80047 (price 30 cents). This project deals with eleven clusters of occupations: Power mechanics, metals and machines, electrical-electronic, computer data processing, general piping, general woodworking, graphic and commercial arts, business and office jobs, health occupations, food preparation and home economics.

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III DCVR Projects Related Wholly or Partially  
To  
Community Colleges and Technical Institutes

During the period from July 1, 1964, to June 30, 1968, DCVR initiated a total of 116 projects related wholly or partially to community colleges and technical institutes. These projects are itemized on the attached list.

If a project is identified only by a project number (for example: 5-0126), the project activities are still underway and, of course, the final report is not yet available from the ERIC System.

If a project is identified both by a project number and by an ED number (for example: ED 016 074) the project activities have been completed and the final report is now available at the output end of the ERIC System. For such projects, the cost of a reproduced copy of the final report is shown, both for microfiche (MF) and hard copy (HC).

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Community Colleges and Technical Institutes**

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5-0004	W. James Popham University of California Los Angeles, California	Performance Tests of Instructor Competence for Trade and Techni- cal Education
5-0012	Jerome Moss, Jr. University of Minnesota Minneapolis, Minnesota	The Influence of Industrial Arts Experience on Grades Earned in Post High School Trade and Techni- cal Curriculum
5-0018	Milton E. Larson Rutgers, The State University New Brunswick, New Jersey	Development of a Technological Center for Keeping Vocational Teachers Updated in Their Fields
5-0019	Frederick W. Lamb Fluid Power Society Thiensville, Wisconsin	Summer Institutes in Fluid Power Education for Teachers of Voca- tional and Industrial Education
5-0028	Forest C. Carter Colorado State University Fort Collins, Colorado	An Eight Week Summer Institute Training Program to Retrain Office Education Teachers for Teaching Business Electronic Data Processing
5-0029	Theodore A. Koschler Miami-Dade Junior College Miami, Florida	An Eight Week Summer Institute Training Program to Retrain Office Education Teachers for Teaching Business Electronic Data Processing

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0030 ED 003 100 MF: 25¢ HC: \$1.56	J. E. Valentine State Board of Education Raleigh, North Carolina	An Eight Week Summer Institute Training Program to Retrain Office Education Teachers for Teaching Business Electronic Data Processing
5-0033 ED 003 094 MF: 25¢ HC: 64¢	John L. Hutchinson Institute for Advancement of Medical Communication Bethesda, Maryland	A Survey of Experience to Date in Vocational Training Programs for Library Technicians
5-0035	Harold E. Mitzel and George Brandon The Pennsylvania State University University Park, Pennsylvania	Experimentation with Computer-Assisted Instruction in Technical Education
5-0040 ED 010 499 MF: 25¢ HC: 96¢	William E. Breske Wisconsin Institute of Technology Milwaukee, Wisconsin	An Eight Week Summer Institute Training Program to Retrain Office Education Teachers for Teaching Business Electronic Data Processing
5-0041 ED 003 091 MF: 25¢ HC: \$2.20	Norman E. Watson Orange Coast Jr. College District Costa Mesa, California	An Eight Week Summer Institute Training Program to Retrain Office Education Teachers for Teaching Business Electronic Data Processing
5-0042 ED 015 271 MF: \$1.50 HC: \$16.16	H. D. Boarden Texas A & M University College Station, Texas	Development of a Technical Training Program for Industrial Radiographers
5-0062 ED 003 092 MF: 25¢ HC: \$2.00	Milton E. Larson Rutgers, The State University New Brunswick, New Jersey	A Two Week Summer Institute on Industrial Instrumentation for In-Service Technical Instructors

<u>Project Number,</u> <u>ED Number, and</u> <u>Price</u>	<u>Principal Investigator</u> <u>and Institution</u>	<u>Title</u>
5-0071	W. S. Stone State University of New York Delhi, New York	Developmental Program in Animal Science
5-0093	Jerry S. Dobrovsky University of Illinois Urbana, Illinois	An Eight Week Summer Training Program to Upgrade Subject Matter Competency of High School Drafting Teachers in Advanced Graphics, Statistics, and Applied Mathematics
5-0116	Herman M. Weissman Colorado State University Fort Collins, Colorado	Teacher Education Institute on Technical Writing
5-0119	Ronald G. Taylor Ferris State College Big Rapids, Michigan	Comparison of Successful and Unsuccessful Junior College Students
5-0120	Charles Joseph Turner Central Florida Junior College Ocala, Florida	Identifying Successful Technical Students in Junior Colleges
5-0144	Vernon L. Hendrix University of Minnesota Minneapolis, Minnesota	Study of Environmental Differential of Occupational Programs in Public Junior Colleges
		Curricular Implications of Automated Data Processing for Educational Institutions

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0147 ED 010 593 MF: 75¢ HC: \$5.84	Malcolm Richland System Development Corporation Santa Monica, California	A Study of Potential Utilization of Retiring Military Personnel in Vocational and Technical Education Programs
5-0148	Howard Nelson University of Minnesota Minneapolis, Minnesota	Characteristics of Full-Time Students in Post Secondary Trade Courses
5-0154	Antoinette Ryan Blue Mountain Community College Pendleton, Oregon	Improvement of Vocational Decision Making in the Community College
5-0158 ED 012 372 MF: 50¢ HC: \$3.96	Maurice W. Roney Oklahoma State University Stillwater, Oklahoma	Development of Curriculum Guide in Electro-Mechanical Technology
5-0160	James E. Bottoms Georgia State Department of Education Atlanta, Georgia	Developing a Program of Student Personnel Services for Area Vocational-Techanical Schools
5-0170 ED 010 020 MF: 50¢ HC: \$3.20	George H. Wierony Northern Virginia Technical College Fairfax, Virginia	Documenting and Evaluating the Steps in Establishing a Two-Year Technical College by Critical Path Planning Methods
5-0174	Edward V. Schten University of Wisconsin Madison, Wisconsin	State and Local Governments as Employers of Youth Trained in Vocational-Technical Schools

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0175 ED 016 845 MF: 75¢ HC: \$6.48	Austin E. Frihance Technical Education Research Center Cambridge, Massachusetts	Development of a Curriculum Guide in Bio-Medical Equipment Technology
5-0179 ED 003 495 MF: 25¢ HC: 48¢	Austin E. Frihance Rochester Institute of Technology Rochester, New York	Industrial Instrumentation Technology for Instructors in Junior Colleges and Technical Institutes
5-0189	David Allen University of California Los Angeles, California	A Study of the Aviation Mechanics Occupation
5-0569 ED 010 120 MF: 25¢ HC: \$2.04	John J. Shea Greenfield Community College Greenfield, Massachusetts	PRIMP - "Program for Recovering and Extending Potential for High School Underachievers Seeking Entrance at a Regional Community
5-1165 ED 010 264 MF: 25¢ HC: \$1.08	James D. MacConnell Stanford University Stanford, California	Design for the Future: Space in Area Vocational Schools
5-1319	Durwin M. Hanson North Carolina State University Raleigh, North Carolina	The Development of Achievement Measures for Trade and Technical Education
5-1328 ED 019 505 MF: 25¢ HC: 88¢	Robert E. Klinzinger University of the State of New York Albany, New York	A Community College Health Careers Project to Develop and Strengthen Education of Health Service Technicians

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Price

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Title

5-1336  
ED 012 830  
MF: 50¢  
HC: \$4.64

Manuel Stillerman  
Bronx Community College of the City  
University of New York  
Bronx, New York

An Experimental Program to Develop  
a New Junior College Level Curriculum  
in Industrial Technology for  
Disadvantaged Youths

5-8371  
ED 016 064  
MF: 75¢  
HC: \$5.60

Joseph P. Arnold  
Purdue University  
Lafayette, Indiana

A Study of Recommendations for  
Technical Education Curricula

5-8398  
ED 010 190  
MF: 75¢  
HC: \$6.88

Bill J. Fullerton  
Arizona State University  
Tempe, Arizona

A Curriculum Development Program for  
a Paramedical Education Center

5-8464  
ED 010 015  
MF: 25¢  
HC: \$2.40

John L. O'Brian  
Rutgers - The State University  
New Brunswick, New Jersey

The Advanced Degree and Vocational-  
Technical Education Leadership  
(A Symposium)

6-1489

Douglas M. Fellows  
Ward Technical Institute  
University of Hartford  
Hartford, Connecticut

Experimental Curriculum for Electro-  
Mechanical Technicians in Computer  
and Business Machines Technology

6-1888  
ED 011 932  
MF: 75¢  
HC: \$6.32

Calvin J. Gottrall  
Ohio State University  
Columbus, Ohio

National Leadership Development  
Institutes in Technical Education

6-2015  
ED 019 508  
MF: 50¢  
HC: \$2.68

Louis J. Kishkunas  
Pittsburgh Board of Public Education  
Pittsburgh, Pennsylvania

Pittsburgh Technical Health Training  
Institute Demonstration project

<u>Project Number,</u> <u>ED Number, and</u> <u>Price</u>	<u>Principal Investigator</u> <u>and Institution</u>	<u>Title</u>
6-2040 ED 010 666 MF: \$1.00 HC: \$8.40	Arthur Lee Hardwick Division of Technical Education State Board for Vocational Education Stillwater, Oklahoma	Summer Institute to Train Data processing Teachers for the New Oklahoma State-Wide Computer Science System
6-2142 ED 010 433 MF: 25¢ HC: \$1.44	Frank J. Zioli Pasadena City College, Pasadena, California	An Eight Week Summer Institute Training Program to Train Instructors of Instrumentation Technology
6-2166	David F. Shantz University of Rhode Island Kingston, Rhode Island	A Vocational-Technical Institute Developmental Program in Commercial Fisherries
6-2193 ED 012 790 MF: \$1.00 HC: \$9.80	John P. Decker Arizona Health Services Education Association Phoenix, Arizona	A Functional Analysis of Paramedical Occupations as a Foundation for Curriculum Development
6-2203 ED 016 113 MF: 25¢ HC: 88¢	Theodore Pearce Fluid Power Society Thiensville, Wisconsin	Operation of Summer Institutes on Fluid Power Education for Teachers of Vocational and Technical Education
6-2211 ED 011 973 MF: 25¢ HC: 52¢	Delbert A. McKee State University of New York Agricultural and Technical College Morrisville, New York	An Eight-Week Summer Institute Training Program to Train Instructors of Instrumentation Technology
6-2238	Louis W. Kleine New Mexico State University University Park, New Mexico	Development and Testing of an Experimental Mobile Instructional Facility for Applied Courses in Engineering Technology

<u>Project Number,</u> <u>ED Number, and</u> <u>Price</u>	<u>Principal Investigator</u> <u>and Institution</u>	<u>Title</u>
6-22258	Aleene A. Gross University of Georgia Athens, Georgia	An Institute for Home Economics Teachers on Instructing, Developing, and Evaluating Programs at the Post High School Level to Prepare Food Service Supervisors and Assistants to Directors of Child Care Services
6-2278	Theodore Pearce Fluid Power Society Thiensville, Wisconsin	Coordination, Administration and Evaluation of Summer Institutes on Fluid Power Education for Teachers of Vocational and Technical Education
6-2329	E. C. Merrill and Wendell H. Russell University of Tennessee Knoxville, Tennessee	An Experimental Pre-Service and In-Service Program for Training of Vocational and Technical Teachers Tool Trainers
6-2332	Arthur Carlson and Milton Moldt Milwaukee Vocational Technical and Adult Schools Milwaukee, Wisconsin	An Eight Week Seminar in an Intro- duction to Numerical Control on Two-and Three-Axis Machine Tools for Vocational and Technical Machine Tool Trainers
6-2336	Hugh G. Wales University of Illinois Urbana, Illinois	A Research and Development Program for Training in Micro-Precision Skills
6-2355	Peter G. Meek National Health Council New York, New York	American Association of Junior Colleges National Health Council Committee on Health Technology Education
6-2357	William F. Lawrence State University of New York Plattsburgh, New York	Planning to Accomplish Research and Program Development Tasks for an Experimental Two-Year Vocational- Technical Community College

<u>Project Number, ED Number and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
6-2437	Lewis E. Wall Colorado State University Fort Collins, Colorado	A study of the Effectiveness of Federally Supported Business Data Processing Summer Institutes
6-2444	Forbes W. Pollard Indianapolis Hospital Development Association Indianapolis, Indiana	Feasibility of a Systematic Study of Manpower Requirements and Educational and Training Programs of Selected Health Occupations
6-2652	A. R. Baralt, Jr. University of Detroit Detroit, Michigan	Pilot Vocational Teacher Training Institute in Dental Assisting, Summer 1966
6-2653	Roger E. Barton University of North Carolina Chapel Hill, North Carolina	Pilot Vocational Teacher Training Institute in Dental Assisting, Summer 1966
6-2662	Howard Sidney Agricultural and Technical College State University of New York Cobleskill, New York	A Training Institute for Teachers of Technical Programs in Agriculture.
6-2664	Grace L. Nangle State Department of Education Boston, Massachusetts	A Conference on New Educational Curricula for Sub-professional Personnel in the Health Services
6-2840	J. M. Cummings New Jersey State Department of Education Trenton, New Jersey	Development of Multi-Media Programmed Instructional Materials for the Training of Law Enforcement Officers

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Project Number, File Number, and Price	Principal Investigator and Institution
6-2851	William J. Schill University of Illinois Urbana, Illinois
6-3003	J. K. Little and others University of Wisconsin Madison, Wisconsin

6-8254      ED 011 971      MF: 75¢      HC: \$6.04

6-8255      ED 011 972      MF: 25¢      HC: \$1.96

6-8302      ED 010 075      MF: 25¢      HC: 56¢

6-8320      ED 017 722      MF: 75¢      HC: \$6.12

6-2851      William J. Schill  
University of Illinois  
Urbana, Illinois

6-3003      J. K. Little  
and others  
University of Wisconsin  
Madison, Wisconsin

6-8254      Alexander Schure  
New York Institute of Technology  
Old Westbury, L. I., New York

6-8255      George S. Whitney  
American Technical Education  
Association, Inc.  
Delmar, New York

6-8302      Milo E. Van Hall  
Agricultural and Technical College  
Alfred, New York

6-8320      Milo E. Van Hall  
State University of New York  
Alfred, New York

Work - Study Programs; Conduct  
and Consequences

An Evaluation of Effectiveness of  
Vocational and Technical Education  
in the United States

Preliminary Investigation of  
Communication-Linked Techniques  
for Off-Campus Teaching of  
Vocational and Technical Subjects

The Development and Testing of  
Instruments and Procedures for  
a Study of Student Selection  
Practices in Technical Education  
Programs

A Comprehensive Project to Develop  
a Complete Curriculum in the Area  
of Medical Records Technician

Conference on Methods of Increasing  
Student Achievement in Technical  
Preparatory Programs

An Improved Procedure for  
Producing Overhead Transparencies  
for Vocational Education

<u>Project Number,</u> <u>ED Number, and</u> <u>Price</u>	<u>Principal Investigator</u> <u>and Institution</u>	<u>Title</u>
6-8327 ED 019 477 MF: 50¢ HC: \$3.28	Wilmet F. Oliver Rutgers - The State University New Brunswick, New Jersey	An Evaluation of Information Feedback Effectiveness with Teachers
6-8420 ED 013 644 MF: 25¢ HC: \$1.96	John Warren Hakanson University of California Berkeley, California	Individual Characteristics and Their Relationship to Achievement in Junior College Vocational Students
6-8498 ED 014 569 MF: \$1.00 HC: \$8.88	Ernest H. Dean Utah Trade-Technical Institute Provo, Utah	Implications of Vocational Education for Plant Site Location
6-8590 ED 015 302 MF: 50¢ HC: \$3.72	Richard J. Vasek Mississippi State University State College, Mississippi	Analysts of Electronic Technology Curriculum Content in Public Post High School Technical Institutes and Employer Requirements
6-8810 ED 016 322 MF: 50¢ HC: \$3.72	Ronald K. Edwards Michigan State University East Lansing, Michigan	Effects of Mechanically Forcing Copying Speeds on the Learning of Elementary Gregg Shorthand
7-0074	John L. Weirer Western Michigan University Kalamazoo, Michigan	Development of Junior-Community College Curricula for Future Teachers of Industrial Education
7-0048	Leland L. Wedske University of California Berkeley, California	Problems and Issues in Accreditation by Specialized Agencies of Vocational- Technical Curricula in Post Secondary Institutions

-12-

Project Number,  
ED Number, and  
Price

Principal Investigator  
and Institution

Title

7-00015

**Edith Lynton**  
National Committee on Employment  
of Youth  
New York, New York

Concepts and Practices in the  
Education, Training and Utili-  
zation of Subprofessional Workers

7-0192

**Randy H. Hamilton**  
Institute for Local Self  
Government  
Berkeley, California

Municipalities as a Model for  
New Careers and Re-Direction of  
Vocational-Technical Education  
Programs

7-0313

**J. Paschal Twyman and**  
James Potecher  
Technical Education Research  
Center, Inc.  
Waco, Texas

Development of Career Opportunities  
for Technicians in the Nuclear  
Medical Field

7-0329

**District Retires**  
YICCA of Metropolitan Chicago  
Chicago, Illinois

Social Service Aide Project for  
the Education and Training of  
Subprofessionals

7-0382

**Ruth J. Dales and**  
Anne G. Buds  
Florida State University  
Tallahassee, Florida

Institute on Post-High School  
Programs in Home Economics Education  
Utilizing the Resource Guide  
Care and Guidance of Children

7-0435  
ED 016 859  
MF: \$1.25  
NC: \$12.00

**Alex G. Morphonios**  
Miami-Dade Junior College  
Miami, Florida

Computer-Aided Drafting and  
Design - Summer Institute

7-0452

**Aaron J. Miller**  
Program Development Institutes  
in Technical Education  
in Technical Education

**Ohio State University**  
Columbus, Ohio

<u>Project Number,</u> <u>ED Number, and</u> <u>Price</u>	<u>Principal Investigator</u> <u>and Institution</u>	<u>Title</u>
7-0463	L. C. Alexander Marquette University Milwaukee, Wisconsin	Teacher Training Institute in Dental Assisting
7-0523	Joseph Arnold Purdue University West Lafayette, Indiana	A Summer Institute for the Improvement of Technical Teacher Education Programs
7-0544	Carl F. Lauer University of Kentucky Lexington, Kentucky	A Clinical Workshop in Mental Health and Psychiatric Nursing for Instructors in Schools of Practical Nursing
7-0558	H. E. Davis Georgia State College Atlanta, Georgia	A Two-Week Institute to Improve and Develop Content, Format and Pro- cedures for Vocational and Technical Education Public Information Programs
7-0635	R. W. Coon National Committee for Careers in Medical Technology	Medical Laboratory Assistant Teacher Education Institute - Pilot Program
7-0654	Doris L. Berryman New York University New York, N.Y.	Development of Educational Programs for New Careers in Recreation Services for the Disabled
7-0658	J. Clark Davis University of Nevada Reno, Nevada	Materials and Structural Design Seminar (An Overview for Vocational School Facility Planning)

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
7-0773	Ralph E. Bender Ohio State University Columbus, Ohio	Agricultural Occupations Program Development in Area Vocational schools
7-0822	Francis Tuttle State Board for Vocational Education Stillwater, Oklahoma	Summer Institute to Train Data Processing Teachers for the New Oklahoma State-Wide Computer Science System - Phase II
7-0973	Roy W. Dugiver and Edward P. Carvey Technical Education Research Center, Inc. Waco, Texas	Development and Evaluation of Educational Programs in Bio- Medical Equipment Technology
7-1059	John W. Sullivan Association for Educational Data Systems Washington, D.C.	The Relationship of ADP Training Curriculum and Methodology in the Federal Government
7-8021	Karl B. Schmalle, Jr. Instrumentation Society of America Pittsburgh, Pennsylvania	An Evaluation of a Summer Training Program for Instructors of Instrumentation Technology
7-8374	Edward Jakabauskas Iowa State University Ames, Iowa	Demonstration of Research-Conference Procedures for Estimating Health Man- power Requirements and in Evaluating Educational and Training Programs for Selected Health Occupations in Non-Metropolitan Areas
7-9000	D. G. Lewis General Learning Corporation Washington, D.C.	A Feasibility Study of a Central Computer Facility for an Educational System

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
7-9001	J. L. Stone International Business Machines Corporation Washington, D.C.	Feasibility Study for a Remote- Terminal, Centralized Computer System
8-0008	Howard Sidney Agricultural and Technical College Cobleskill, New York	Methods of Teaching Agricultural Occupations in Community Colleges and Area Vocational Schools
8-0042	James D. Piper Portland Cement Association Chicago, Illinois	Development and Evaluation of a Concrete Technology Curriculum (Phase I)
8-0219	Maurice W. Roney Technical Education Research Center, Inc. Waco, Texas	Development and Evaluation of Educational Programs in Electro- Mechanical Technology
8-0301	James H. Strausel The Aerospace Education Foundation Washington, D.C.	The Evaluation of Three U.S. Air Force Instructional Systems Within Civilian Education
8-0384	Aaron J. Miller Ohio State University Columbus, Ohio	National Program Development Institutes in Technical Education
8-0446	Alexander Schure New York Institute of Technology Old Westbury, L. I., New York	Development of a Multi-Media Course in Physics for the U.S. Naval Academy

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
8-0447	J. Sterling Livingston Sterling Institute Washington, D.C.	Development of a Multi-Media Course in Economics for the U.S. Naval Academy
8-0448	Donald T. Tosti Westinghouse Learning Corporation Bladensburg, Maryland	Development of a Multi-Media Course in Leadership for the U.S. Naval Academy
8-0460	Lewis D. Holloway University of Iowa Iowa City, Iowa	Teacher Education Institute for New Health Occupations Education Teachers
8-0491	Roy W. Dugger Technical Education Research Center, Inc. Waco, Texas	Development of Generalizable Educational Programs in Laser and Electro-Optical Technology
8-0556	George Parkinson Milwaukee Technical College Milwaukee, Wisconsin	Evaluation of Residential Schools and Essential Factors which Contribute to Their Operation
8-0627	Melvin L. Barlow University of California Los Angeles, California	Development and Validation of Instructional Programs for the Allied Health Occupations
8-0688	Anna L. Hyer National Education Association Washington, D.C.	Manpower and Instructional Media: A Study of Jobs, Personnel, and Training

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<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
8-0714	Cleveland L. Dennard Washington Technical Institute Washington, D. C.	Individualized Youth Education for Careers in Criminal Justice
8-0715	J. Douglas Grant New Careers Development Organization Oakland, California	Development of New "Carocor" Laddors, with Appropriate Education Components, in the Administration of Justice
8-8016	James H. Strubbel Aerospace Education Foundation Washington, D. C.	Feasibility of Adapting "Carocor" Laddors Force Courses for Civilian Use
8-8052	Eli E. Cohen National Committee on Employment for Youth New York, New York	A project for Adapting and popularizing "The Subprofessional: From Concepts to Careers"
3-9011	Herbert S. Bright Computations Planning Inc. Bethesda, Maryland	A Single Integrated Central Computer System for Secondary and Junior College Institutions

1.

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
Office of Education  
Bureau of Research  
Division of Comprehensive and Vocational Education Research (DCVER)  
Washington, D. C. 20202

I. FOUR YEARS OF RESEARCH, DEVELOPMENT, AND TRAINING

DCVER Projects Completed Between July 1, 1964 and June 30, 1965

As of June 30, 1965, the projects on the attached list had been completed and the final reports on the projects had been delivered to the ERIC System.

If a project is identified only by a project number (for example: 5-0073), the final report is still being processed by the ERIC staff and is not yet available at the output end of the ERIC System.

If a project is identified both by a project number and by an ED number (for example: ED 010 013), the final report has been fully processed and is now available at the output end of the ERIC System. For such projects, the cost of a reproduced copy of the final report is shown, both for microfiche (MF) and hard copy (HC).

Orders for a reproduced copy of a final report should specify the ED number, should state whether microfiche or hard copy is desired, should be accompanied by payment, and should be addressed to:

ERIC Document Reproduction Service  
The National Cash Register Company  
4936 Fairmont Avenue  
Bethesda, Maryland 20014

Final reports which, as of June 30, 1965, were still being processed by the ERIC staff will be cited in future issues of Research in Education, a monthly abstract journal published and distributed by the U. S. Government Printing Office. The citation will specify the ED number and price. Citation in Research in Education will serve as an announcement that a final report has become available at the output end of the ERIC System.

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DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
Office of Education  
Bureau of Research  
Division of Comprehensive and Vocational Education Research (DCVR)  
Washington, D.C. 20202

IV - DCVR Projects Related to  
Curriculum Development

During the period from July 1, 1964 to June 30, 1968, DCVR initiated a total of 76 projects related to curriculum development. These projects are itemized on the attached list.

If a project is identified only by a project number (for example: 5-0126), the project activities are still underway and, of course, the final report is not yet available from the ERIC System.

If a project is identified both by a project number and by an ED number (for example: ED 016 974) the project activities have been completed and the final report is now available at the output end of the ERIC System. For such projects, the cost of a reproduced copy of the final report is shown, both for microfiche (MF) and hard copy (HC).

Orders for a reproduced copy of a final report should specify the ED number, should state whether microfiche or hard copy is desired, should be accompanied by payment, and should be addressed to:

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The National Cash Register Company  
4936 Fairmont Avenue  
Bethesda, Maryland 20014

Projects which are still underway at the present time will, upon completion, be cited in future issues of Research in Education, a monthly abstract journal published and distributed by the U.S. Government Printing Office. The citation will specify the ED number and price of the final report. Citation in Research in Education will serve as an announcement that a project has been completed and that its final report has become available at the output end of the ERIC System.

Prepared: 5/19/69

57.

SPECIAL ORDERING INSTRUCTIONS

Reproduced copies of final reports can be ordered either in "hard copy" or on microfiche. "HC" stands for hard copy, which is ready-to-read material reproduced page-by-page on special paper.

"MF" stands for microfiche, which is a reproduction of up to sixty original pages on a single sheet of 4 by 6 inch file. Microfiche readers, available from many manufacturers, are required to enlarge the microfiche images for reading purposes.

Reproduced copies of final reports cost 4 cents per page for hard copy or 25 cents per microfiche containing about 60 pages.

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The type of reproduction desired--hard copy or microfiche.

The number of copies being ordered.

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Bethesda, Maryland 20014

DCVR PROJECTS RELATED TO CURRICULUM DEVELOPMENT

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0005	Harry A. Becker Norwalk Board of Education Norwalk, Conn.	A Pilot Project to Develop a Program of Occupational Training for School Alienated Youth
5-0009	F. Gott Butler American Institute for Research Pittsburgh, Pa.	Development and Evaluation of an Experimental Curriculum for the Navy Quincy (Nuc-0.) Vocational-Technical School
5-0022	Gene M. Love Pennsylvania State University University Park, Pa.	Development and Evaluation of Instructional Units in Ornamental Horticulture and Type Occupations for the Northwestem United States
5-0026	June Cozine Oklahoma State University Stillwater, Okla.	Approaches in Assessing Needs for, Content of, and Factors to Consider in Offering Home Economics Courses for Gainful Employment
	ED 010 019 MF: 25¢ HC: \$2.16	
5-0031	Robert E. Taylor The Ohio State University Columbus, Ohio	Improvement of Curricula for Teaching Non-Farm Agricultural Occupations
	ED 010497 MF: 50¢ HC: \$4.12	

Project Number,  
ED Number, and  
Price

Principal Investigator  
and Institution

Title

5-0037 ED 016 850 MF: 75¢ HC: \$5.36	William F. Stover Ohio Trade and Industrial Education Service Columbus, Ohio	Using the Printing Trade as a Pilot Area for the Development of a National Vocational-Technical School Achievement Testing Program
5-0042 ED 015 271 MF: \$1.50 HC: \$16.16	H.R. Bearden Texas A&M University College Station, Texas	Technical Training for Industrial Radiographers
5-0059 ED 013 949 MF: 25¢ HC: \$1.62	Edward R. Towers Ohio State University Columbus, Ohio	An Industrial Arts Curriculum Project for the Junior High School
5-0061 ED 017 689 MF: 50¢ HC: \$4.76	John Dailey The George Washington University Washington, D.C.	Development of a Curriculum and Materials for Teaching Basic Vocational Talents
5-0063 ED 016 075 MF: 25¢ HC: \$2.00	Elliott D. Becker School District 549C Medford, Oregon	Revised Instructional Program for "Slow Learners" to Improve Their Job Placement
5-0071	W. Stone State University of N.Y. Delhi, N.Y.	Developmental Program in Animal Science
5-0090 ED 010 368 MF: 25¢ HC: \$1.80	Elizabeth Simpson University of Illinois Urbana, Illinois	The Classification of Education Objectives, Psychomotor Domain

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0115	Lloyd Benham Hudson Public Schools Hudson, Ohio	Experimental and Developmental Study of a Four-Year Comprehensive Vocational Education Program
5-0129	Margaret McKinley and Hester Chadderton Iowa State University Ames, Iowa	Curriculum Development and Training Program for Food Service Employees
5-0158	Maurice W. Roncy Oklahoma State University Stillwater, Okla	Development of Curriculum Guide in Electro-Mechanical Technology
5-0161	Harold R. Cushman Cornell University Ithaca, N.Y.	The Development and Improvement of Directed Work-Experience Programs in Expanded Vocational Education Offerings in Agriculture at the Secondary Level
5-0163	Marvin C. Groelle Oakland Unified School District Oakland, Calif.	A Pilot Project in Curriculum Development for "Work Experience" and "Occupational" Courses for Educable Mentally Retarded Students
5-0165	Naomi LeB. Naylor Southern Illinois University Edwardsville, Ill.	Curriculum Development Program for Preschool Teacher Aides
5-0166	Lucy Crawford Virginia Polytechnic Institute Blacksburg, Va.	A Competency Pattern Approach to Curriculum Construction in Distributive Teacher Education

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0171 ED 010 161 MF: 75¢ HC: \$6.44	John L. O'Brien Rutgers, The State University New Brunswick, N. J.	The Development of a Master Teacher Training Curriculum for Teachers of Occupational Level Training Programs
5-0175 ED 016 845 MF: 75¢ HC: \$6.48	Austin E. Frilance Technical Education Research Center Cambridge, Mass.	Development of a Curriculum Guide for Bio-Medical Equipment Technology
5-0183 ED 010 301 MF: 75¢ HC: \$5.40	Donald Maley University of Maryland College Park, Md.	An Investigation and Development of the Cluster Concept as a Program in Vocational Education at the Secondary School Level
5-0188 ED 020 439 MF: \$1.25 HC: \$12.34	J. N. Swanson University of Colorado Boulder, Colo.	Scientific Secretary Training Program Development
5-0189	David Allen University of California Los Angeles, Calif.	A Study of the Aviation Mechanics Occupation
5-0191	Robert A. Walker Minneapolis Rehabilitation Center, Inc. Minneapolis, Minn.	The Development of Specialized Educational Programs for Poor Learners for Use in Non-Educational Settings
5-0192 ED 010 014 MF: 25¢ HC: \$1.64	Don D. Bushnell Brooks Foundation Santa Barbara, Calif.	The Development and Evaluation of Educational Systems Packages for the Occupational Training of Depressed Area Students in Five Basic Subject Areas

Project Number ED Number, and Price	Principal Investigator and Institution	Title
5-0749	Lasser G. Gotkin New York Medical College New York, N. Y.	The Development of a Beginning Reading Skills Program
5-1203 ED 022 056 MF: \$2.25 HC: \$24.52	Robert L. Darcey Ohio University Athens, Ohio	An Experimental Junior High School Course in Occupational Opportunities and Labor Market Processes
5-1316 ED 016 073 MF 75¢ HC \$6.68	Hilda Watson Gifford Council on Hotel, Restaurant and Institutional Education Ithaca, N. Y.	Status of Curriculum Development in the Field of Commercial Foods on the Non-Baccalaureate Degree Level
5-1319	Thomas S. Baldwin University of Illinois Urbana, Illinois	The Development of Aptitude and Achievement Measure for Trade and Technical Education
5-1327	Charles E. Peck University of Washington Seattle, Wash.	Survey to Determine Appropriate Occupational Training Programs in the Field of Distribution and Marketing at Various Levels of Education
5-1335	G. E. Henderson University of Georgia Athens, Ga.	The Development and Evaluation of Teaching Texts: "Operation, Maintenance, and Repair of Air Cooled Gasoline Engines"
5-1336 ED 012 830 MF: 20¢ HC: \$4.64	Manuel Stillerman Bronx Community College Bronx, New York	Operation Giant Step: Research in a New Remedial Program and Community College Industrial Technology Curriculum For the Disadvantaged

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-8267 ED 003 851 MF: 09¢ HC: \$1.00	Raymond B. Russell Kansas State Teachers College Emporia, Kansas	Development of a Programmed Test in Salesmanship for Feasibility Testing
5-8271 ED 022 022 MF: 75¢ HC: \$5.44	Kay M. Howell Michigan State University Lansing, Michigan	Teaching Vocational and Citizenship Education in Social Studies
5-8277 ED 010 256 MF: 50¢ HC: \$4.40	Patsy McNurtie San Francisco State College San Francisco, Calif.	Development and Evaluation of a One-Semester Citizenship Course: Phase One of a Two-Phase Program
5-8371 ED 016 064 MF: 75¢ HC: \$5.60	Joseph P. Arnold Purdue University Lafayette, Ind.	A Study of Recommendations for Technical Education Curricula
5-8398 ED 010 190 MF: 75¢ HC: \$6.86	Bill J. Fullerton Arizona State University Tempe, Ariz.	The Identification of Common Courses in Paramedical Education
6-1458 ED 024 763 MF: 75¢ HC: \$8.95	E. Smith and Others Florida State University Tallahassee, Florida	The Development of Pre-Vocational Education Literacy Courses for Use with Computer-Assisted Instruction of Disadvantaged Youths and Adults
6-1484 ED 010 420 MF: 50¢ HC: \$3.28	Frank Evans Negro American Labor Council Cleveland, Ohio	A Curriculum Development Study of the Effectiveness of Up-Grading the Technical Skills of Educationally Disadvantaged Union Members

Project  
ED Number, and  
Price

Principal Investigator  
and Institution

6-1489 ED C22 926 MF: 50¢ HC: \$4.68	Douglas M. Fellow Ward Technical Institute Hartford, Conn.	Experimental Curriculum for Electro-Mechanical Technicians in Computer and Business Machines Technology
6-1659 ED 023 913 MF: 50¢ HC: \$5.10	Meredith Crawford George Washington University Washington, D.C.	The Design and Evaluation of Vocational-Technical Education Curriculum Through Job Analysis
6-2159 ED 011 974 MF: 25¢ HC: \$2.28	Stephen A. Konz Kansas State University Manhattan, Kansas	Work Instruction Programs for Food Industry
6-2166 ED 016 841 MF: \$1.25 HC: \$12.82	David F. Shantz and Andreas Holmen University of Rhode Island Kingston, R.I.	A Vocational Technical Institute Developmental Program for Commercial Fisheries
6-2238 ED 016 841 MF: \$1.25 HC: \$12.82	Louis W. Klein New Mexico State University University Park, N.M.	Development and Testing of an Experimental Mobile Instructional Facility for Applied Courses in Engineering Technology
6-2312 ED 016 841 MF: \$1.25 HC: \$10.18	Donald Malley University of Maryland College Park, Md.	The Preparation of Curriculum Materials and Development of Teachers for an Experimental Application of the Cluster Concept of Vocational Education at the Secondary Level
6-2336 ED 022 927 MF: \$1.00 HC: \$10.18	Hugh C. Walos University of Illinois Urbana, Ill.	A Research and Development Program for Training in Micro-precision Skills

Project Number,  
ED Number, and  
Price

Principal Investigator  
and Institution

6-2355

Carol Kahlor  
National Health Council  
New York, N.Y.

Title

Investigation to Produce Guidelines  
for Health Technology Program Planning

6-2664

Grace Nangle  
State Department of Education  
Boston, Mass.

A Conference on New Educational  
Curricula for Sub-Professional Personnel  
in Health Services

6-2777

Donald D. Buchholtz  
Brooks Foundation  
Santa Barbara, Calif.

The Production and Validation of  
Education Systems Packages for  
Occupational Training of Depressed  
Area Students

6-2840

John M. Cummings  
State Department of Education  
Trenton, N.J.

Development of Multi-Media Programmed  
Instructional Materials for the  
Training of Law Enforcement Officers

6-8302  
ED 024 779  
MF: 50¢  
HC: \$7.32

Robert Covia  
State University of New York  
Alfred, N.Y.

A Comprehensive Project to Develop a  
Complete Curriculum in the Area of  
Medical Records Technician

6-8763  
ED 014 552  
MF: 75¢  
HC: \$7.32

Richard Barker  
Ohio State University  
Columbus, Ohio

Development and Evaluation of  
Instructional Units for Teaching  
Profit-Maximizing Principles in  
Vocational Agriculture

7-0074

John L. Fisher  
Western Michigan University  
Kalamazoo, Mich.

Development of Junior-Community  
College Curricula for Future  
Teachers of Industrial Education

7-0211

Peter G. Huines  
Michigan State University  
East Lansing, Mich.

Continuation of a Developmental  
Vocational Education Research and  
Teacher Education Program Based  
on a Clinical Concept

Project Number,  
ED Number, and  
Price

Principal Investigator  
and Institution

7-0655

Wallace W. Douglas  
Northwestern University  
Evanston, Illinois

English Curriculum Study and  
Dissemination Center

Title

9

7-0758

Edgar Person  
University of Minnesota  
Minneapolis, Minn.

Development and Demonstration of  
Innovations in Adult Agricultural  
Education

7-0773

Ralph Bender  
Ohio State University  
Columbus, Ohio

Agricultural Occupational Program  
Development in Area Vocational Schools

7-0853

Donald Malley  
University of Maryland  
College Park, Md.

Implementation and Purchasing  
Development of Experimental Cluster  
Concept

7-0973

Roy W. Dugger  
Technical Education Center, Inc.  
Waco, Texas

Development and Evaluation of  
Educational Programs in Bio-Medical  
Equipment Technology

7-1223

R. Harry Huseman  
Ohio State University  
Columbus, Ohio

A Planning Study to Determine the  
Feasibility of Developing a New  
Business and Office Education  
Curriculum

7-1323

Rowan C. Stutz  
Western States Small School  
Project  
Salt Lake City, Utah

Development and Evaluation of  
Experimental Curricula for Isolated  
Small Schools

8-0042

Howard C. Wieschman  
Portland Comint Association  
Chicago, Ill.

Development of Course Content and  
Teaching Guide for a Total  
Curriculum in Concrete Technology

8-0157

Alexander Schure  
N.Y. Institute of Technology  
New York, N.Y.

A Computer Managed System for  
Individualizing and Optimizing  
Education

Project Number,  
ED Number, and  
Price

Principal Investigator  
and Institution

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
8-0219	Roy W. Dugger Technical Education Research Center, Inc. Waco, Texas	Development and Evaluation of Education Programs in Electro- Mechanical Technology
8-0301	James H. Swoboda Aerospace Education Foundation 1750 Pennsylvania Avenue, N.W. Washington, D.C.	The Evaluation of Three U.S. Air Force Instructional Systems within Civilian Education
8-0334	Bruce W. Tuckman Rutgers-The State University New Brunswick, N.J.	Study of Curriculum for Occupational preparation
8-0414	Frank W. Lanham Ohio State University Columbus, Ohio	Development of Performance Goals for a New Office and Business Education Learning System
8-0446	Alexander Schuro New York Institute of Technology New York, N.Y.	Development of a Multi-Media Course in Physics for the U.S. Naval Academy
8-0447	J. Sterling Livingston Sterling Institute Washington, D.C.	Development of a Multi-Media Course in Economics for the U.S. Naval Academy
8-0448	Donald T. Tosti Westinghouse Learning Corp. Bladensburg, Md.	Development of Objectives for Leadership for the U.S. Naval Academy
8-0457	Alan F. Weston Columbia University Teachers College New York, N.Y.	Development of Objectives for Citizenship Education
8-0627	Malvin L. Barlow University of California Los Angeles, Calif.	Development and Evaluation of Instructional Programs for Allied Health Occupations

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
8-0653	Marilyn Wondol, Bloomfield Hills, Michigan, School District Bloomfield Hills, Mich.	A Study to Design, Develop, Implement, and Revise Specific Measurable Performance Objectives to Serve as a Model to Individualized Instruction For Secondary Schools
8-0714	Cleveland L. Demnard Washington Technical Institute Washington, D.C.	Individualized Youth Education for Careers in Criminal Justice
8-8018	James H. Straubel Aerospace Education Foundation Washington, D.C.	Feasibility of Adapting Three Air Force Courses for Civilian Use

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
Office of Education  
Bureau of Research

Division of Comprehensive and Vocational Education Research (DCVR)  
Washington, D.C. 20202

DCVR Projects Related to the DISADVANTAGED

During the period from July 1, 1964, to June 30, 1968, DCVR initiated a total of fifty-four projects related to the disadvantaged. These projects are itemized on the attached list.

If a project is identified only by a project number (for example: 5-0126), the project activities are still underway and, of course, the final report is not yet available from the ERIC System.

If a project is identified both by a project number and by an ED number (for example: ED 016 074), the project activities have been completed and the final report is now available at the output end of the ERIC System. For such projects, the cost of a reproduced copy of the final report is shown, both for microfiche (MF) and hard copy (HC).

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Projects which are still underway at the present time will, upon completion, be cited in future issues of Research in Education, a monthly abstract journal published and distributed by the U.S. Government Printing Office. The citation will specify the ED number and price of the final report. Citation in Research in Education will serve as an announcement that a project has been completed and that its final report has become available at the output end of the ERIC System.

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The number of copies being ordered.

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4936 Fairmont Avenue  
Bethesda, Maryland 20014

DCVR PROJECTS RELATED TO THE DISADVANTAGED

Project Number, ED Number, and Price	Principal Investigator and Institution	Title
5-0006	Theodore K. Steele New York Institute of Technology New York City	Experimental program for Training and Re-Training of Older Workers, Unemployed Youths, and Disadvantaged Sections of the Population
5-0050	Nicholas H. Boratza Dade County Public Schools Miami, Florida	Learning Laboratory to Teach Basic Skills in a Culturally Deprived Area
5-0057	Paul M. Hodgeson Delaware State Department of Public Instruction, Vocational Technical Division Dover	Teacher Education for Rural Low Achieving Disadvantaged Junior High School Students
5-0091	Grace M. Henderson Pennsylvania State University	Conference on Home Economics Program Development for Dis- advantaged Youth and Their Families
5-0124	Thomas J. Sweeney University of South Carolina, Columbia South Carolina	A Developmental Program for Vocational Counselors Directed Toward Serving Disadvantaged Youth More Effectively

Project Number,  
ED Number, and  
Price

Principal Investigator  
and Institution

Title

5-0125

Lloyd J. Phillips  
University of  
Illinois, Urbana

Improved Opportunities for  
Disadvantaged Youth Through  
Vocationally Oriented  
Education

5-0145  
ED 003 494  
MF: 50¢  
HC: \$3.48

C. R. Jeffery  
Washington School  
of Psychiatry  
Washington, D.C.

Preparation of the Disad-  
vantaged for Vocational  
Training

5-0146  
ED 011 970  
MF: 50¢  
HC: \$3.00

John Harp  
Cornell University  
Ithaca, New York

Post High School Migration and  
Vocational Choice Patterns of  
Students From an Economically  
Depressed Area

5-0156

Sara Blackwell  
Cornell University

Anxiety, Disorientation, and  
Isolation and Their Effects on  
Disadvantaged Youth in Upper  
New York State

5-0167  
ED 019 506  
MF: 50¢  
HC: \$4.80

Marjorie East  
Pennsylvania State  
University, University  
Park, Pennsylvania

An Experience with the Life and  
Work of the Disadvantaged for  
the Pre-service Education of  
Home Economics Teachers

5-0192  
ED 010 014  
MF: 25¢  
HC: \$1.64

Don D. Burnell  
Brooks Foundation  
Santa Barbara,  
California

The Development and Evaluation  
of Educational Systems Packages  
for the Occupational Training of  
Depressed Area Students in Five  
Basic Subject Areas (Pilot Phase)

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0197	Ruth Dales Florida State University Tallahassee, Florida	Factors Related to Educational and Occupational Aspirations of Early Adolescent Males from Culturally Deprived Families
5-0243	Paul Lawrence, Auxiliary Enterprises, Inc. California State College Hayward, California	Establishment of Three Centers to Improve the Preparation of Teachers of Culturally Disadvantaged Students, Emphasizing Technical Vocational Education
5-0866	Henry S. Breitrose Stanford University	Production of a Motion Picture for the Inservice Training of Teachers in Problems of Human Relations in Teaching the Socioeconomically Disadvantaged
5-1006	Edgar C. Epp University of Michigan Ann Arbor, Michigan	Family and Achievement: A Proposal to Study the Effect of Family Socialization on Achievement Orientation and Performance Among Urban Negro Americans
5-1163	Robert L. Gibron Indiana University Foundation Bloomington, Indiana	A Comparison of Techniques for the Solution of Similar Educational-Vocational Problems of Disadvantaged Youth in Great Britain and the United States

Project Number,  
ED Number, and  
price

5-1215  
ED 010 181  
MF: 75¢  
HC: \$5.92

Principal Investigator  
and Institution

Lloyd J. Phipps  
University of Illinois  
Urbana, Illinois

Title

A Study in Communication  
between High School Teachers  
of Vocational Agriculture  
and Socioeconomically  
Disadvantaged Youth by Use of  
the Semantic Differential

5-1336  
ED 012 830  
MF: 50¢  
HC: \$4.64

Manuel Stillerman  
Bronx Community  
College of the City  
University of New York  
Bronx, New York

An Experimental Program to  
Develop a New Junior College  
Level Curriculum in Industrial  
Technology for Disadvantaged  
Youths

6-1231

Harold Mandelsohn  
University of Denver  
Denver, Colorado

Utility of Educational Television  
in Meeting the Informa-  
tional Needs of the Disadvantaged  
Youths

6-1458

E. Smith, E. Hankin  
& T. Smith  
Florida State University  
Tallahassee, Florida

The Development of Pre-Vocational  
Education Literacy Courses for  
Use With Computer Assisted Instruction  
of Disadvantaged Youths and Adults

6-1484  
ED 010 430  
MF: 50¢  
HC: \$3.28

A Curriculum Development Study of  
the Effectiveness of Up-Grading the  
Technical Skills of Educationally  
Disadvantaged Union Members

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
6-1936 ED 016 096 MF: 50¢ HC: \$4.28	P. G. Garrett University of Missouri Columbia, Missouri	<b>Interdisciplinary Approach to Preparing Home Economics Leaders for Emerging Programs Serving Disadvantaged Youth and Adults</b>
6-1831 ED 016 097 MC: \$1.98	Donald A. Sommerfeld Muskegon City Public Schools Muskegon, Michigan	<b>An Evaluation of Vocational Education for Disadvantaged Youth</b>
6-8162 ED 015 225 MF: 50¢ HC: \$2.60	Marcia Halvorsen Spelman College Atlanta, Georgia	<b>An Analysis and Interpretation of Data on the Social Characteristics of Residents of "Vine City", an Urban Negro Slum.</b>
6-2777 ED 010 161 MF: 75¢ HC: \$6.44	Donald D. Bushnell Brooks Foundation Santa Barbara, California	<b>The Production and Validation of Education Systems Packages for Occupational Training of Depressed Area Students</b>
5-0171 ED 010 161 MF: 75¢ HC: \$6.44	John L. O'Brian, Rutgers, The State University New Brunswick, New Jersey	<b>The Development of a Master Teacher Training Curriculum for Teachers of Occupational Level Training Programs</b>
5-0005	Harry A. Becker Norwalk Board of Education Norwalk, Connecticut	<b>A Pilot Project to Develop a Program of Occupational Training for School Alienated Youth</b>

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0003	Frank D. Sorenson Quincy Youth Development Commission and the Quincy Public Schools Quincy, Illinois	A Demonstration Training Program for Potential School Dropouts
5-0050	Nicholos Borota Central District Dade County Public Schools Miami, Florida	Learning Laboratory to Teach Basic Skills in a Culturally Deprived Area
5-0063 ED 016 075 MF: 25¢ HC: \$2.00	Elliott D. Becken School District 549C Medford, Oregon	Revised Instructional Programs for "Slow Learners" to Improve Their Job Placement Opportunities
5-0114	Robert H. Zoller State Department of Public Instruction Springfield, Illinois	Use of a Mobile Vocational Guidance Unit--A Pilot Project
5-0187	Raymond V. Nord Minneapolis Public Schools Minneapolis, Minnesota	A Pilot Study of a Work Opportunity Center
5-0196	R. L. Kahn University of Michigan Ann Arbor, Michigan	Study of Youth in High School, at Work and Unemployed
5-1170	Archibald O. Haller College of Agriculture University of Wisconsin Madison, Wisconsin	Development of Instruments to Measure the Relation Between Expectations of Others and Loyola of Educational and Occupational Aspiration of Youth

Project Number,  
ED Number, and  
Price

5-1312

Principal Investigator  
and Institution

Winthrop R. Adkins  
Sidney Rosenberg  
Paul Sharar  
Timothy P. Dineen  
Training Resources for  
Youth, Inc.  
Brooklyn, New York

6-8902

Leeland J. Winger  
Utah State Board for  
Vocational Education  
Salt Lake City, Utah

6-2958  
ED 010 620  
MF: 50¢  
HC: \$4.40

Harry Handler  
Los Angeles Unified School  
Los Angeles, California

6-8576  
ED 016 095  
MF: 75¢  
HC: \$7.48

Robert J. Gregory  
Syracuse University  
Syracuse, New York

6-1136

Don A. Brown  
State University of New York

6-8675  
ED 016 156  
MF: 50¢  
HC: \$3.84

Edwin Smith  
Florida State University  
Tallahassee, Florida

Title

Project TRY

The Application of a Special  
Counseling Technique to  
Maladjusted Under-Achievers

Occupational Training Centers  
for 16-18 Year-Old Youth  
Educable Mentally Retarded Youth

The Application for Employment  
and for Seeking Success among  
Educable Mentally Retarded Youth

A Literacy Program for Adult  
Illiterates

A Proposal for a Pilot Study to  
Develop and Determine the Feasi-  
bility of a Packaged Materials  
Program for Teaching Reading and  
the General Development Area of  
Adult Basic Education

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
6-8902	Leeland J. Winger State Board for Vocational Education Oquirrh School Project Salt Lake City, Utah	The Application of a Special Counseling Technique to Hand- icapped Under-Achievers
7-0527	Carl Lamar University of Kentucky Lexington, Kentucky	Seminar for Supervisors and Teacher Educators for Persons with Special Needs
7-8456	David S. Coltrane North Carolina Governor's Good Neighbor Council	Raleigh-Durham Area Vocational Guidance Institute for Counselors of Minority Youth
8-0085	Robert Alan Rosenthal Harvard Graduate School of Education Cambridge, Massachusetts	Pathways to Identity: The Development of Aspirations and Values in Urban Negro Adolescents
8-8049	Allen Stewart The Bridge Warrenton, Virginia	Institute on Intercultural Understanding for Secondary School Teachers
6-3049	Julia Dalrymple The Ohio State University Columbus, Ohio	The Efficacy of Home Economics Courses Designed to Prepare Disadvantaged Pupils for their Homemaker-Family Member Role and the Dual Roles of Homemaker and Wage Earner-Father-C

Project Number,  
ED Number, and  
Price

- 9 -

Principal Investigator  
and Institution

6-3050

Helen Y. Nelson  
Cornell University  
Ithaca, New York

Title  
The Efficacy of Home Economics  
Courses Designed to Prepare  
Disadvantaged Pupils for their  
Homemaker-Family Member Role  
and the Dual Roles of Homemaker  
and Wage Earner-Part B

7-0006

Phyllis K. Lowe  
Purdue University  
Lafayette, Indiana

The Efficacy of Home Economics  
Courses Designed to Prepare  
Disadvantaged Pupils for their  
Homemaker-Family Member Role and  
the Dual Roles of Homemaker and  
Wage Earner-Part A

8-0714

Cleveland L. Dennard  
Washington Technical Institute  
Washington, D.C.

Individualized Youth Education  
for Careers in Criminal Justice

8-0748

Thomas F. Zuck  
Compton Union High School  
4117 Alondra Blvd.  
Compton, California

Development of a Curriculum  
Designed to Prepare Disadvantaged  
Persons of the Compton High School  
Area for Employment in Health Occupa-  
tions

8-0844

Thomas C. Rosica  
The School District of Philadelphia  
Philadelphia, Pennsylvania

Summer Work-Study Program on Urban  
Problems for Secondary School Youth  
from Inner City Communities

8-0556

George A. Parkinson  
Milwaukee Technical College  
1015 North Sixth Street  
Milwaukee, Wisconsin 53203

Evaluation of Residential Schools  
and Essential Factors Which Con-  
tribute to their Operation

D

D  
- 10 -

Project Number,  
ED Number, and  
Price

8-0686

Principal Investigator  
and Institution

Mr. William Waterman  
United Planning Organization  
1100 Vermont Avenue, NW  
Washington, D.C.

8-0888

Title  
The Research Council of the Great  
Cities Program for School Improve-  
ment  
4433 West Touhy Avenue  
Chicago, Illinois

Title  
Neighborhood Youth Develop-  
ment Program

Title  
Pilot Program for Veterans  
in Public Service (VIPS)

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DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
Office of Education  
Bureau of Research  
Division of Comprehensive and Vocational Education Research (DCVR)  
Washington, D.C. 20202

VI

DCVR Projects Related to Evaluation

During the period from July 1, 1964, to June 30, 1968, DCVR initiated a total of 48 projects related to evaluation. These projects are itemized on the attached list.

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**DCVR PROJECTS RELATED TO EVALUATION**

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0002 ED 010 013 MF: 50¢ HC: \$3.32	Roy W. Roberts University of Arkansas Fayetteville, Arkansas	Contribution of Vocational Education to Actual Occupations of Former Homemaking Students
5-0007 ED 010 495 MF: \$1.00 HC: \$10.24	Jacob Kauffman Pennsylvania State University University Park, Pennsylvania	Research, Development and Demon- stration in Adult Training and Retraining
5-0017	William G. Loomis State Department of Education Division of Community Colleges and Vocational Education Salem, Oregon	A System for Planning, Implementing and Evaluating Vocational Education
5-0060	Jacob Kauffman Pennsylvania State University University Park, Pennsylvania	An Experimental Program to Compare Education Versus Training for Young School Dropouts
5-0066 ED 003 491 MF: 75¢ HC: \$7.20	J. Kenneth Little University of Wisconsin Madison, Wisconsin	Conference on Occupational Data Requirements for Education
5-0069	John K. Coster University of Nebraska Lincoln, Nebraska	An Experimental Evaluation of Approaches to Preparing High School Students for Agricultural Occupations Other than Farming

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0085	David C. Bjorkquist Pennsylvania State University University Park, Pennsylvania	<b>Effects of Field and Job Oriented Technical Retraining on Manpower Utilization of the Unemployed</b>
5-0127	Harold A. Edgerton Performance Research, Inc. Washington, D.C.	<b>Statistical Prediction of Training Program Success</b>
5-0172	Arthur J. Corak and Princeton University Princeton, New Jersey	<b>Economic Effects of Vocational Education in Worcester, Massachusetts</b>
5-0177	Edgar A. Persons University of Minnesota Minneapolis, Minnesota	<b>An Economic Study of the Invest- ment Effects of Education in Agriculture</b>
5-0185	Bruce F. Davie Georgetown University Washington, D.C.	<b>Vocational Education and Inter- governmental Relations in the Postwar Period</b>
5-0208	Edward A. Podesta and Harry V. Kincaid Stanford Research Institute Stanford, California	<b>Supply and Demand Factors Affecting Vocational Education Planning</b>
5-0430	Earl R. Burrows Colorado State Department of Education Denver, Colorado	<b>Analysis of Dropout Statistics in Selected Colorado School Districts</b>

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-1190	Jacob Kauffman Pennsylvania State University University Park, Pennsylvania	An Analysis of the Comparative Cost and Benefits of Vocational Versus Academic (High School) Education
5-1325	Mary Jean Bowman University of Chicago Chicago, Illinois	A Theoretical and Empirical Analysis of Vocational Preparation in Japan
5-1333	Helen Nelson Cornell University Ithaca, New York	Evaluation of Student Teaching in Home Economics
5-1337	Harry V. Kincaid Stanford Research Institute Menlo Park, California	A Preliminary Evaluation of Pre- Technical Programs in Secondary Education
5-1363	John L. Coffey and E. E. Slawter Battelle Memorial Institute Columbus, Ohio	Evaluating the Efficiency and Effectiveness of Self-Instruc- tional Methods for Selected Areas of Vocational Education
5-8268	Elizabeth N. Sutton Florida State University Tallahassee, Florida	Analysis of Research on Selected Aspects of Evaluation in Adult Education
5-8461	Laura Sharp Bureau of Social Science Research, Inc. Washington, D.C.	Identification and Evaluation of Research Information on Occupational Training and Its Results
5-8466	J. Chester Swanson University of California Berkeley, California	Identification and Development of Instruments for a Study of State Vocational-Technical Educa- tion Agencies and Their Influence upon Local Programs

proposal Number,  
ED Number, and  
Price

Principal Investigator  
and Institution

6-1659

Meredith Crawford  
George Washington University  
Washington, D.C.

Title

The Design and Evaluation of  
Vocational-Technical Education  
Curricula through Functional  
Job Analysis

6-1746

Roger S. Cannell and  
Arnold Kotz  
Stanford Research Institute  
Menlo Park, California

6-1831  
ED 016 097  
MF: \$1.00  
HC: \$8.56

Donald A. Sommerfeld  
Muskegon City Public Schools  
Muskegon, Michigan

6-2414

Max W. Eisinger  
American Institute for  
Research  
Pittsburgh, Pennsylvania

6-2437

Lewis E. Wall  
Colorado State University  
Fort Collins, Colorado

6-3003

J. K. Little and  
Gerald G. Somers  
University of Wisconsin  
Madison, Wisconsin

6-8087  
ED 022 190  
MF: 50¢  
HC: \$2.52

proposal Number,  
ED Number, and  
Price

Principal Investigator  
and Institution

6-1659

The Design and Evaluation of  
Vocational-Technical Education  
Curricula through Functional  
Job Analysis

An Evaluation of Vocational and  
Programming of Vocational  
Education for Disadvantaged  
Youth

A National Survey: High School  
and Student Characteristics, and  
Their Relationships to the Occupa-  
tional and Post-High School Educa-  
tional Experiences of Their Vocational  
Course Graduates

A Study of the Effectiveness of  
Federally Supported Business Data  
Processing Summer Institutes  
An Evaluation of Effectiveness of  
Vocational Education and Technical  
Education in the United States

Merle Ohleen and  
J. Don Boney  
University of Illinois  
Urbana, Illinois

An Evaluation of a Counselor  
Education Program Designed for  
prospective Elementary School  
Counselors Enrolled in 1965-66  
NDEA Institute

Project Number,  
ED Number, and  
Price

Title

6-8224      W. L. Hansen and  
Burton Weisbrod  
University of Wisconsin  
Madison, Wisconsin  
                Seminar on the Economics of Education:  
Investment Decisions and  
Contributions to Income and Economic  
Growth

6-8355      Bruce Tuckman  
Rutgers-The State University  
New Brunswick, New Jersey  
                The Development of Procedures  
for Evaluating Vocational Pilot  
Programs

6-8503      Sidney Rosenberg and  
Winthrop R. Adkins  
YMCA of Greater New York  
New York, New York  
                A Design for Action Research at  
Project TRY

6-8590      Richard J. Vasek  
Mississippi State University  
State College, Mississippi  
                A Comparative Analysis of Electronic  
Content in Public Post-High  
Programs and the Technical  
Requirements of Industry

7-0048      Leland L. Madaker  
University of California  
Berkeley, California  
                Problems and Issues in Accreditation  
Programs to Determine the  
Generalizability of an Evaluation  
System for Local Programs of Vocational  
and Technical Education

7-0968      Harold Byran  
Michigan State University  
East Lansing, Michigan  
                Five State Try Out and Demonstra-  
tion Program to Determine the  
Generalizability of an Evaluation  
System for Local Programs of Vocational  
and Technical Education

7-1327      Allen Lee  
Teaching Research Division  
Oregon State System of Higher  
Education  
Monmouth, Oregon  
                Improvement and Development of  
the Organization and Administra-  
tion of Vocational-Technical  
Education

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
7-8021 ED 016 112 MP: 50¢ HC: \$4.52	Karl B. Schnelle, Jr. Instrumentant Society of America Pittsburgh, Pennsylvania	An Evaluation of a Summer Institute to Train Instructors of Instrumentation Technology
8-0066	Charles Swanson University of California Berkeley, California	Leadership Role, Functions, Pro- cedures and Administration of Vocational-Technical Education Agencies at the State Level
8-0158	Malcolm M. Probus Pittsburgh Public Schools Pittsburgh, Pennsylvania	Development and Validation of a Program Evaluation Model for a Large City School System
8-0211	Keith Goldthwaite Oregon State University Corvallis, Oregon	An Analysis of the Research Coordinating Unit Program
8-0245	Fred C. Adams Western Association of Schools and Colleges Burlingame, California	Development of New Techniques and Procedures for Evaluating Elementary and Secondary Schools
8-0264	Herbert J. Kiesling Indiana University Bloomington, Indiana	A Study of Cost and Quality of New York School Districts
8-0301	James H. Straubel The Aerospace Education Foundation Washington, D.C.	The Evaluation of Three U. S. Air Force Instructional Systems Within Civilian Education

Project Number,  
ED Number, and  
Price

Principal Investigator  
and Institution

Title

8-0348  
Gary R. Smith  
Utah State University  
Logan, Utah

Workshop on Planning, Implementing  
and Evaluating Balanced Programs  
in Distributive Education

8-0367  
Dr. Joseph H. McGivney  
The Center for Vocational and  
Technical Education  
The Ohio State University  
Columbus, Ohio

National Development Institute  
in Planning, Programming, and  
Budgeting Systems

8-0398  
Dr. Allen Lee  
Oregon State System of Higher  
Education  
Monmouth, Oregon

Program Planning, Budgeting and  
Evaluation Institute

8-0481  
Eaton H. Conant  
University of Oregon  
Eugene, Oregon

An Analysis of Comparative  
Costs and Benefits of Non-Pro-  
fessional Aide Programs in School  
Districts

8-8055  
Ralph LoCascio  
New Jersey State  
Department of Education  
Trenton, New Jersey

Development of a Model Planning,  
Programming, and Budgeting System  
for Vocational Education at the  
State Level

Bruce Davie  
Georgetown University  
Washington, D.C.

Using Benefit-Cost Analysis in  
Planning and Evaluating Vocational  
Education

ED 016 077  
MF: 25¢  
HC: 88¢

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
Office of Education  
Bureau of Research  
Division of Comprehensive and Vocational Education Research (DCVR)  
Washington, D.C. 20202

VII) DCVR Projects Related to the Health Occupations

During the period from July 1, 1964, to June 30, 1968, DCVR initiated a total of thirty-one projects related to the health occupations. These projects are itemized on the attached list.

If a project is identified only by a project number (for example: 5-0126), the project activities are still underway and, of course, the final report is not yet available from the ERIC System.

If a project is identified both by a project number and by an ED number (for example: ED 016 074), the project activities have been completed and the final report is now available at the output end of the ERIC System. For such projects, the cost of a reproduced copy of the final report is shown, both for microfiche (MF) and hard copy (HC).

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Bethesda, Maryland 20014

Projects which are still underway at the present time will, upon completion, be cited in future issues of Research in Education, a monthly abstract journal published and distributed by the U.S. Government Printing Office. The citation will specify the ED number and price of the final report. Citation in Research in Education will serve as an announcement that a project has been completed and that its final report has become available at the output end of the ERIC System.

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DOVER PROJECTS RELATED TO THE HEALTH OCCUPATIONS

<u>Project Number, ED Number, and Project</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0039	Barbara L. Tate National League for Nursing New York, New York	Identification of Characteristics of Practical Nursing Students For Use in Guidance and Selection
5-0126	Robert M. Tomlinson University of Illinois Urbana, Illinois	A Longitudinal Study of Practical Nursing
5-0175 ED 016 845 MF: 75¢ HC: \$6.48	Austin E. Fribance Technical Education Research Center Cambridge, Massachusetts	Development of a Curriculum Guide in Bio-Medical Equipment
5-1318 ED 016 074 MF: 25¢ HC: 40¢	Alberta Jacoby Mental Health Film Board, Inc. New York, New York	Development of a Film for Inter- pretation and Training for Homo- makers Service
5-1328 ED 019 505 MF: 25¢ HC: 88¢	Robert E. Kinsinger The Board of Regents of the University of the State of New York Albany, New York	A Community College Health Careers Project to Develop and Strengthen Education of Health Service Technicians
5-8398 ED 010 190 MF: 75¢ HC: \$6.88	Bill J. Fullerton Arizona State University Tempe, Arizona	A Curriculum Development Program for a Paramedical Education Center

OK

Project Number,  
ED Number, and  
Price

Principal Investigator  
and Institution

Title

6-1685 ED 013 361 MF: 50¢ HC: \$2.04	Francis Lindaman National Association for Mental Health New York, New York	Mental Health Association Staff Training Conference
6-2015 ED 019 508 MF: 50¢ HC: \$2.68	Louis J. Kishkunes Pittsburgh Board of Public Education Pittsburgh, Pennsylvania	Pittsburgh Technical Health Training Institute Demonstration Project
6-2129 ED 015 391 MF: 25¢ HC: \$2.16	Annie L. Crawford Southern Regional Education Board Atlanta, Georgia	Nursing for Professional Nurse Educators in Practical Nurse Schools
6-2193 ED 012 790 MF: \$1.00 HC: \$9.80	John P. Decker Arizona Health Services Education Association Phoenix, Arizona	A Functional Analysis of Paramedical Occupations as a Foundation for Curriculum Development
6-2209 ED 012 342 MF: \$1.00 HC: \$9.00	Philip W. Morgan United Hospital Funds of New York New York, New York	Guidance Counselor Institute for Health Careers
6-2355 ED 021 556 MF: 50¢ HC: \$4.16	Peter G. Meek National Health Council New York, New York	American Association of Junior Colleges-National Health Council Committee on Health Technology Education
6-2444 ED 016 079 MF: 50¢ HC: \$4.00	Forbes W. Pollard Indianapolis Hospital Development Association Indianapolis, Indiana	Feasibility of a Systematic Study of Manpower Requirements and Educational and Training Programs of Selected Health Occupations

Project Number,  
ED Number, and  
Price

Principal Investigator  
and Institution

6-2652  
ED 011 052  
MF: 25¢  
HC: \$1.88

A. R. Baralt, Jr.  
University of Detroit  
Detroit, Michigan

6-2653  
ED 010 334.  
MF: 50¢  
HC: \$3.16

Roger E. Barton  
University of North Carolina  
School of Dentistry  
Chapel Hill, North Carolina

6-2664

Grace L. Nangle  
Massachusetts State Department  
of Education  
Boston, Massachusetts

6-8302

Milo E. Van Hall  
Alfred Agricultural and  
Technical College  
State University of New York  
Alfred, New York

7-0313

J. Paschal Twyman  
James Potchen  
Technical Education Research  
Center, Inc.  
Waco, Texas

7-0463

L. C. Alexander  
Marquette University  
Milwaukee, Wisconsin

7-0544

Carl F. Lamer  
University of Kentucky  
Lexington, Kentucky

Title

Pilot Vocational Teacher Training  
Institute in Dental Assisting,  
Summer 1966

Pilot Vocational Teacher Training  
Institute in Dental Assisting,  
Summer 1966

A Conference on New Educational  
Curricula for Sub-Professional  
Personnel in the Health Services

A Comprehensive Project to Develop  
a Complete Curriculum in the Area of  
Medical Records Technician

Development of Career Opportunities  
for Technicians in the Nuclear Medical  
Field

Teacher Training Institute in Dental  
Assisting

A Clinical Workshop in Mental Health  
and Psychiatric Nursing for Instructors  
in Schools of Practical Nursing

Project Number,  
ED Number, and  
Price

Principal Investigator  
and Institution

Title

7-0635  
ED 071 064  
MF. 50¢  
HC. \$4.44  
R. W. Coon  
National Committee for Careers  
in Medical Technology  
Washington, D. C.

Medical Laboratory Assistant Teacher  
Education Institute - Pilot Program

7-0654  
Doris L. Berryman  
New York University  
Washington Square  
New York, New York

Development of Educational Programs  
for New Careers in Recreation Services  
for the Disabled

7-0973  
Roy W. Dugger  
Edmund P. Garvey  
Technical Education Research  
Center, Inc.  
Waco, Texas

Development and Evaluation of  
Educational Programs in Bio-Medical  
Equipment Technology

7-8374  
Edward Jelkabaukas  
Iowa State University  
Ames, Iowa

Demonstration of Research-Conference  
Procedures for Estimating Health  
Manpower Requirements and in Evaluating  
Educational and Training Programs for  
Selected Health Occupations in  
Non-Metropolitan Areas

8-0056  
Robert Nathan Associates, Inc.  
Washington, D. C.

Study of the Transferability of  
Military Trained Medical Personnel  
to the Civilian Sector

8-0301  
James H. Strubel  
The Aerospace Education  
Foundation  
Washington, D.C.

The Evaluation of Three U. S. Air  
Force Instructional Systems Within  
Civilian Education

8-0408  
Marie P. Meyer  
Rutgers - The State University  
New Brunswick, New Jersey

Workshop on Program Development for  
Training Homemaker-Home Health Aides

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
8-0460	Lewis D. Holloway The University of Iowa Iowa City, Iowa	Teacher Education Institute for Non Health Occupations Education Teachers
8-0627	Melvin L. Barlow University of California at Los Angeles Los Angeles, California	Development and Validation of Instructional Programs for the Allied Health Occupations
7-0031	Robert J. Wallenstein Washington State University Pullman, Washington	Knowledge Commonly Useful in Twelve Allied Health Occupations
		Feasibility of Adapting Three Air Force Courses for Civilian Use
		James H. Straubel The Aerospace Education Foundation Washington, D.C.
		8-8018